DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

DECEMBER 2014

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DECEMBER 2013	DECEMBER 2014
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135-
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	108
	Bawana	902	1372
	TOWMCL	16	16
	Total	2466	2936
2	**Maximum Unrestricted Demand (MW)**	**3779**	**4271**
	Date	31.12.2013	26.12.2014
	Time	10.13.09	10.41.00
3	**Peak Demand met (MW)**	**3775**	**4721**
	Date	31.12.2013	26.12.2014
	Time	10.13.09	10.41.00
4	Peak Availability (MW)	3777	4864
5	Shortage (-) / Surplus (+) in MW	(+) 2	(+) 143
6	Percentage Shortage (-) / Surplus (+)	(+) 0.05	(+) 3.03
7	Maximum Energy Consume in a day (Mus)	64.968	73.053
8	Energy Consumed during the month	**1823.688**	**1919.578**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	1.129	0.626
	BRPL	2.354	3.183
	BYPL	0.636	0.97
	NDMC	0.012	0.008
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**4.131**	**4.787**
B)	Due to Constraints in System in Mus		
	DTL	0.250	0.230
	NDPL	0.158	0.566
	BRPL	0.255	0.398
	BYPL	0.129	0.311
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.003	0.010
	Total	**0.796**	**1.515**
11	**Grand Total in Mus**	**4.927**	**6.302**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2014

A) For the month of December 2014

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.451	-0.451	64.11	57.124
2.	**GT**	59.790	1.725	58.065	79.96	98.486
3.	**PPCL**	145.069	3.391	141.678	104.29	107.304
4.	**BTPS**	207.408	20.5	186.908	120.47	291.569
5.	**Rithala**	0.000	0.062	-0.062	**78.37**	53.616
6.	**Bawana**	236.466	7.793	228.553	--	789.281
7.	**Towmcl**	10.142	1.590	8.552	--	--
	TOTAL	**658.875**	**35.512**	**623.243**	**--**	**1397.38**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec. 2014	Availability (%) for Dec 2014	PLF (%) for Dec 2014	Cumulative Generation in MUs upto Dec 2014 for the year 2014-15	Cumulative Availability in % upto Dec 2014 for the year 2014-15	Cumulative PLF in % upto Dec 2014 for the year 2014-15
RPH	135	-0.451	64.11	-1.05	289.943	65.53	36.34
GT	270	58.065	79.96	29.41	696.190	66.11	40.13
PPCL	330	141.678	104.29	59.23	1427.966	79.97	67.48
BTPS	705	186.908	120.47	40.01	2486.765	83.93	59.43
Rithala	108	-0.062	**78.37**	0	-0.539	**87.96**	**0**
Bawana	1372	228.553	--	23.18	1547.997	--	--
Towmcl	16	8.552	--	85.20	89.134	--	--
TOTAL	2936	**623.243**	**--**	**--**	**6537.456**	**--**	--

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	31.12.14	23.59	Tripped due to flame failure , later on Stopped due to low demand and high frequency from 01.10.2014

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	31.12.14	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	31.12.14	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	31.12.14	23.59	Machine stopped due to high viberation

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	27.03.14	16.38	15.04.14	17.50	Stopped due to low demand and high frequency
		15.04.14	18.38	15.04.14	19.05	Machine tripped due to grid disturbance
		18.04.14	17.47	18.04.14	18.55	Tripped on electrical trouble normal shutdown
		06.05.14	11.00	06.05.14	15.05	Stopped due to LTTH High
		06.05.14	15.15	06.05.14	17.30	
		07.05.14	10.46	07.05.14	19.31	
		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	31.12.14	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	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	31.12.14	23.59	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.

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.

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	31.12.14	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	31.12.14	23.59	Stopped due to low demand and high frequency

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

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

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

(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	31.12.14	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	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	31.12.14	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	31.12.14	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

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

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

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	28.10.13	00.00	31.12.14	23:59	Commissioned on 28.10.13 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	27.02.14	00.00	31.12.14	23:59	Commissioned on 27.02.14 and Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	11.10.13	10.50	23.05.14	00.30	Stopped due to low demand and high frequency
		23.05.14	18.28	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

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

(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	31.12.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.12.14	23:59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.12.14	23:59	Stopped due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

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

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 DECEMBER 2014

All figures in MW

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.15.28	0	79	145	0	314	16	241	795	2300	2252	48	3095	0	3095
2	10.26.54	0	80	0	0	321	15	272	688	2362	2141	221	3050	0	3050
3	10.00.00	0	80	148	0	325	13	216	782	2308	2322	-14	3090	0	3090
4	18.08.20	0	79	148	0	295	12	227	761	2343	2088	255	3102	0	3102
5	10.01.16	0	80	151	0	307	12	232	782	2470	2262	208	3252	6	3258
6	10.23.23	0	80	151	0	326	10	229	796	2316	2246	70	3112	0	3112
7	10.03.36	0	79	155	0	325	14	229	802	2183	2264	-81	2985	0	2985
8	10.00.00	0	80	154	0	340	14	208	796	2291	2192	99	3087	0	3087
9	18.32.59	0	79	147	0	316	14	242	798	2353	2231	122	3151	19	3170
10	09.54.15	0	80	151	0	329	16	235	811	2392	2201	191	3203	0	3203
11	10.31.29	0	81	156	0	315	16	237	805	2352	2375	-23	3157	0	3157
12	10.22.27	0	81	158	0	336	16	197	788	2573	2256	317	3361	0	3361
13	10.22.27	0	81	158	0	336	16	197	788	2573	2256	317	3361	0	3361
14	10.43.00	0	81	158	0	299	14	237	789	2506	2460	46	3295	0	3295
15	10.07.40	0	82	157	0	312	16	242	809	2421	2510	-89	3230	0	3230
16	10.04.09	0	42	157	0	312	16	243	770	2523	2323	200	3293	17	3310
17	10.07.34	0	42	158	0	275	16	238	729	2694	2456	238	3423	0	3423
18	10.03.30	0	82	159	0	312	10	239	802	2518	2571	-53	3592	0	3592
19	10.00.01	0	81	156	0	207	1	240	685	2941	2761	180	3626	86	3712
20	10.10.36	0	83	156	0	333	0	241	813	2818	2761	57	3631	5	3636
21	11.09.28	0	83	155	0	320	10	286	854	2798	2588	210	3652	123	3775
22	10.01.11	0	82	157	0	338	10	278	865	2980	2860	120	3845	0	3845
23	10.42.23	0	82	296	0	342	10	272	1002	3019	3043	-24	4021	0	4021
24	10.55.00	0	82	300	0	322	10	239	953	3049	2931	118	4002	0	4002
25	10.02.38	0	84	277	0	337	10	248	956	3150	2904	246	4106	9	4115
26	10.41.00	0	83	304	0	479	10	390	1266	3005	3148	-143	4271	0	4271
27	10.05.51	0	83	273	0	466	10	336	1168	2751	2984	-233	3919	0	3919
28	10.36.00	0	84	271	0	16	11	400	782	3188	3088	100	3970	0	3970
29	10.26.00	0	83	302	0	295	10	405	1095	3143	2999	144	4238	0	4238
30	10.07.21	0	83	301	0	300	6	391	1081	2942	2948	-6	4023	0	4023
31	10.45.00	0	81	297	0	315	7	401	1101	3064	2950	114	**4165**	0	4165

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 2014

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Towmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	18.15.28	0	79	145	0	314	16	241	795	2300	2252	48	3095	0	3095
2	10.26.54	0	80	0	0	321	15	272	688	2362	2141	221	3050	0	3050
3	10.00.00	0	80	148	0	325	13	216	782	2308	2322	-14	3090	0	3090
4	18.08.20	0	79	148	0	295	12	227	761	2343	2088	255	3102	0	3102
5	10.01.16	0	80	151	0	307	12	232	782	2470	2262	208	3252	6	3258
6	10.23.23	0	80	151	0	326	10	229	796	2316	2246	70	3112	0	3112
7	10.03.36	0	79	155	0	325	14	229	802	2183	2264	-81	2985	0	2985
8	10.00.00	0	80	154	0	340	14	208	796	2291	2192	99	3087	0	3087
9	18.32.59	0	79	147	0	316	14	242	798	2353	2231	122	3151	19	3170
10	09.54.15	0	80	151	0	329	16	235	811	2392	2201	191	3203	0	3203
11	10.31.29	0	81	156	0	315	16	237	805	2352	2375	-23	3157	0	3157
12	10.22.27	0	81	158	0	336	16	197	788	2573	2256	317	3361	0	3361
13	10.22.27	0	81	158	0	336	16	197	788	2573	2256	317	3361	0	3361
14	10.43.00	0	81	158	0	299	14	237	789	2506	2460	46	3295	0	3295
15	10.07.40	0	82	157	0	312	16	242	809	2421	2510	-89	3230	0	3230
16	10.04.09	0	42	157	0	312	16	243	770	2523	2323	200	3293	17	3310
17	10.07.34	0	42	158	0	275	16	238	729	2694	2456	238	3423	0	3423
18	10.03.30	0	82	159	0	312	10	239	802	2518	2571	-53	3592	0	3592
19	10.00.01	0	81	156	0	207	1	240	685	2941	2761	180	3626	86	3712
20	10.10.36	0	83	156	0	333	0	241	813	2818	2761	57	3631	5	3636
21	11.09.28	0	83	155	0	320	10	286	854	2798	2588	210	3652	123	3775
22	10.01.11	0	82	157	0	338	10	278	865	2980	2860	120	3845	0	3845
23	10.42.23	0	82	296	0	342	10	272	1002	3019	3043	-24	4021	0	4021
24	10.55.00	0	82	300	0	322	10	239	953	3049	2931	118	4002	0	4002
25	10.02.38	0	84	277	0	337	10	248	956	3150	2904	246	4106	9	4115
26	10.41.00	0	83	304	0	479	10	390	1266	3005	3148	-143	4271	0	4271
27	10.05.51	0	83	273	0	466	10	336	1168	2751	2984	-233	3919	0	3919
28	10.36.00	0	84	271	0	16	11	400	782	3188	3088	100	3970	0	3970
29	10.26.00	0	83	302	0	295	10	405	1095	3143	2999	144	4238	0	4238
30	10.07.21	0	83	301	0	300	6	391	1081	2942	2948	-6	4023	0	4023
31	10.45.00	0	81	297	0	315	7	401	1101	3064	2950	114	**4165**	0	4165

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

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

A (i) RPH	0.000
(ii) GT+STG	59.790
(iii) PRAGATI	145.069
(iv) RITHALA	0.000
(v) BAWANA CCGT	236.466
(vi) Timarpur ï Okhla	10.142
TOTAL	451.467
B) AVAILABILITY FROM BTPS	186.119
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	15.132
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**622.454**

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	1.583	1.518	1.583	1.518
SALAL	10.065	9.645	10.065	9.645
SASAN	165.800	158.783	165.292	158.299
TANKAPUR	2.476	2.372	2.476	2.372
CHAMERA	4.108	3.939	4.108	3.939
CHAMERA -II	4.983	4.775	4.983	4.775
CHAMERA -III	2.629	2.519	2.629	2.519
DHAULIGANGA	4.122	3.951	4.122	3.951
SEWA -2	1.183	1.133	1.183	1.133
URI	10.590	10.152	10.590	10.152
URI-II	0.000	0.000	0.000	0.000
KOTESHWAR	7.602	7.279	7.602	7.279
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)	24.800	23.772	17.920	17.169
ANTA (RLNG)	7.531	7.194	0.003	0.003
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	33.591	32.247	18.229	17.493
DADRI (RLNG)	33.969	32.466	0.610	0.579
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	23.974	23.009	11.960	11.476
AURAIYA (RLNG)	22.184	21.165	0.575	0.546
AURAIYA (LIQUID)	0.065	0.062	0.000	0.000
SINGRAULI	76.472	73.234	74.658	71.498
RIHAND -I	62.818	60.179	58.842	56.374
RIHAND -II	87.360	83.706	80.418	77.063
RIHAND -III	77.928	74.547	69.673	66.645
UNCHAHAR-I	16.757	16.054	14.550	13.941
UNCHAHAR-II	32.962	31.576	28.883	27.672
UNCHAHAR-III	19.845	19.017	17.184	16.472
DADRI (TH)	310.586	297.537	244.198	233.924
DADRI (TH) STAGE-II	347.192	332.631	291.330	279.063
NAPP	24.116	23.094	24.116	23.094
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	19.702	18.881	19.702	18.881
NATHPA JHAKRI	20.822	19.953	15.533	14.885
DULASTI	11.521	11.040	11.521	11.040
TEHRI	22.679	21.716	22.679	21.716
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	33.616	32.205	27.776	26.609
KHELGAON-II	109.774	105.158	104.123	99.730
FARAKA	15.231	14.588	14.547	13.931
TALA	2.970	2.848	2.964	2.843
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	191.550	189.069	189.069	181.089
UTTAR PRADESH	7.277	7.081	7.081	6.727
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	193.831	191.311	191.311	183.225
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.230	0.219	0.230	0.219
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.103	0.102	0.102	0.098
GUJRAT	0.039	0.038	0.038	0.036
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	34.816	34.160	34.160	32.759
WEST BENGAL	12.927	12.787	12.787	12.196
ORISSA	0.000	0.000	0.000	0.000
TO HARYANA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-5.637	-5.731	-5.731	-5.855
TO UTTAR PRADESH	-56.990	-58.489	-58.489	-61.080
TO JAMMU & KASHMIR	-150.246	-153.721	-153.721	-160.525
TO KERALA	-0.694	-0.710	-0.710	-0.737
TO ASSAM	-5.054	-5.148	-5.148	-5.375
TO MADHYA PRADESH	-78.246	-79.709	-79.709	-83.187
TO JHARKHAND	-12.543	-12.707	-12.707	-13.266
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
BTPS TO MP	-48.442	-49.328	-49.328	-51.336
TO HIMACHAL PRADESH	-110.447	-112.637	-112.637	-117.586
TO WEST BENGAL	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	171.130	163.478	171.130	163.478
TO POWER EXCHANGE (IEX)	-8.454	-8.854	-8.454	-8.854
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-11.110	-11.590	-11.110	-11.590
TO SHARE PROJECT (HARYANA)	-29.250	-30.522	-29.250	-30.522
TO SHARE PROJECT (PUNJAB)	-13.146	-13.695	-13.146	-13.695
TOTAL	**1735.253**	**1639.347**	**1452.398**	**1344.444**

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	1178.035	1128.397	929.034	889.917
NTPC - ER	158.621	151.951	146.446	140.269
NHPC	53.261	51.043	53.261	51.043
NPC	43.818	41.974	43.818	41.974
SASAN	165.800	158.783	165.292	158.299
KOTESHWAR	7.602	7.279	7.602	7.279
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	20.822	19.953	15.533	14.885
TEHRI	22.679	21.716	22.679	21.716
TALA	2.970	2.848	2.964	2.843
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	191.550	189.069	189.069	181.089
UTTAR PRADESH	7.277	7.081	7.081	6.727
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	193.831	191.311	191.311	183.225
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.230	0.219	0.230	0.219

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
MADHYA PRADESH(WR)	0.103	0.102	0.102	0.098
GUJRAT	0.039	0.038	0.038	0.036
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	34.816	34.160	34.160	32.759
WEST BENGAL	12.927	12.787	12.787	12.196
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	171.130	163.478	171.130	163.478
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2265.212**	**2182.189**	**1992.539**	**1908.053**

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	-5.637	-5.731	-5.731	-5.855
TO UTTAR PRADESH	-56.990	-58.489	-58.489	-61.080
TO JAMMU & KASHMIR	-150.246	-153.721	-153.721	-160.525
TO ASSAM	-5.054	-5.148	-5.148	-5.375
TO KERALA	-0.694	-0.710	-0.710	-0.737
TO MADHYA PRADESH	-78.246	-79.709	-79.709	-83.187
TO JHARKHAND	-12.543	-12.707	-12.707	-13.266
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
BTPS TO MP	-48.442	-49.328	-49.328	-51.336
TO HIMACHAL PRADESH	-110.447	-112.637	-112.637	-117.586
TO POWER EXCHANGE (IEX)	-8.454	-8.854	-8.454	-8.854
TO POWER EXCHANGE (PX)	-11.110	-11.590	-11.110	-11.590
TO SHARE PROJECT (HARYANA)	-29.250	-30.522	-29.250	-30.522
TO SHARE PROJECT (PUNJAB)	-13.146	-13.695	-13.146	-13.695
TOTAL	-530.260	-542.842	-540.141	-563.609
TOTAL SCHEDULED DRAWAL FROM THE GRID	1735.253	1639.347	1452.398	1344.444
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1934.710
NET CONSUMPTION				**1919.578**
AVAILABILITY WITHIN DELHI				622.454
ACTUAL DRAWAL FROM THE GRID				1297.124
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-47.320
LOAD SHEDDING				6.302
UNRESTRICTED DEMAND (GROSS)				1941.012
UNRESTRICTED DEMAND (NET)				1925.880
MAX. NET CONSUMPTION				73.053 ON 26.12.2014
MAX. LOAD SHEDDING				389MW ON 25.12.2014 AT 14.30HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4271MW AT 10.41.35HRS ON 26.12.2014			0 MW
EVENING PEAK	3767MW AT 18.30HRS ON 26.12.2014			0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla			0.007% 29.76% 59.09% 0.00% 23.18% 85.20%

9 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2014.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over 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-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.017	0.000
03-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.037	0.000	0.000	0.000
04-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
05-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
06-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
07-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
09-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.000	0.022	0.000
10-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
11-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.057	0.000	0.000
12-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.034	0.025	0.014	0.000
13-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.054	0.144	0.064	0.000
14-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
15-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
16-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.029	0.075	0.006	0.000
17-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.1019	0.0559	0.000	0.000
18-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.019	0.061	0.000	0.000
19-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.196	0.389	0.030	0.000
20-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.105	0.064	0.000
21-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.680	0.003	0.000
22-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.074	0.318	0.014	0.000
23-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.016	0.020	0.002	0.000
24-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.015	0.193	0.000	0.000
25-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.314	0.928	0.355	0.000
26-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.004	0.000
27-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.003	0.006	0.006	0.000
28-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.025	0.000	0.011	0.003
29-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.014	0.000
30-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
31-Dec.14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.933**	**3.057**	**0.626**	**0.003**

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-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.011	0.015	0.000	0.000	0.000
02-Dec.14	0.000	0.000	0.000	0.000	**0.017**	**0.017**	0.025	0.000	0.005	0.000	0.000
03-Dec.14	0.000	0.000	0.000	0.000	**0.037**	**0.037**	0.000	0.000	0.000	0.000	0.000
04-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
05-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.006	0.000	0.000	0.000
06-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.004	0.000	0.000
07-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
08-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
09-Dec.14	0.000	0.000	0.000	0.000	**0.037**	**0.037**	0.000	0.000	0.000	0.000	0.000
10-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.003	0.000	0.000
11-Dec.14	0.000	0.000	0.000	0.000	**0.057**	**0.057**	0.008	0.005	0.000	0.000	0.000
12-Dec.14	0.000	0.000	0.000	0.000	**0.073**	**0.073**	0.000	0.014	0.000	0.000	0.000
13-Dec.14	0.000	0.063	0.000	0.000	**0.325**	**0.325**	0.000	0.000	0.000	0.000	0.000
14-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.033	0.000	0.000	0.000
15-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.005	0.000	0.000	0.000
16-Dec.14	0.000	0.000	0.000	0.000	**0.110**	**0.110**	0.000	0.000	0.000	0.000	0.000
17-Dec.14	0.000	0.000	0.000	0.000	**0.158**	**0.158**	0.000	0.000	0.000	0.000	0.000
18-Dec.14	0.000	0.000	0.000	0.000	**0.080**	**0.080**	0.000	0.000	0.000	0.000	0.000
19-Dec.14	0.015	0.044	0.000	0.000	**0.674**	**0.674**	0.005	0.028	0.000	0.000	0.000
20-Dec.14	0.022	0.019	0.000	0.005	**0.215**	**0.215**	0.000	0.000	0.000	0.000	0.000
21-Dec.14	0.000	0.000	0.000	0.000	**0.683**	**0.683**	0.000	0.000	0.000	0.000	0.000
22-Dec.14	0.000	0.000	0.000	0.000	**0.406**	**0.406**	0.000	0.000	0.000	0.000	0.000
23-Dec.14	0.000	0.000	0.000	0.000	**0.038**	**0.038**	0.000	0.000	0.000	0.000	0.000
24-Dec.14	0.000	0.000	0.000	0.000	**0.208**	**0.208**	0.001	0.000	0.024	0.000	0.000
25-Dec.14	0.000	0.000	0.000	0.000	**1.597**	**1.597**	0.000	0.000	0.002	0.000	0.000
26-Dec.14	0.000	0.000	0.000	0.000	**0.004**	**0.004**	0.000	0.000	0.000	0.000	0.000
27-Dec.14	0.000	0.000	0.000	0.000	**0.015**	**0.015**	0.000	0.000	0.000	0.000	0.000
28-Dec.14	0.000	0.000	0.000	0.000	**0.039**	**0.039**	0.000	0.000	0.000	0.000	0.000
29-Dec.14	0.000	0.000	0.000	0.000	**0.014**	**0.014**	0.000	0.033	0.002	0.000	0.000
30-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
31-Dec.14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	0.037	0.126	0.000	0.005	**4.787**	**4.787**	**0.051**	**0.139**	**0.040**	**0.000**	**0.000**

ALL FIGURES IN MUs

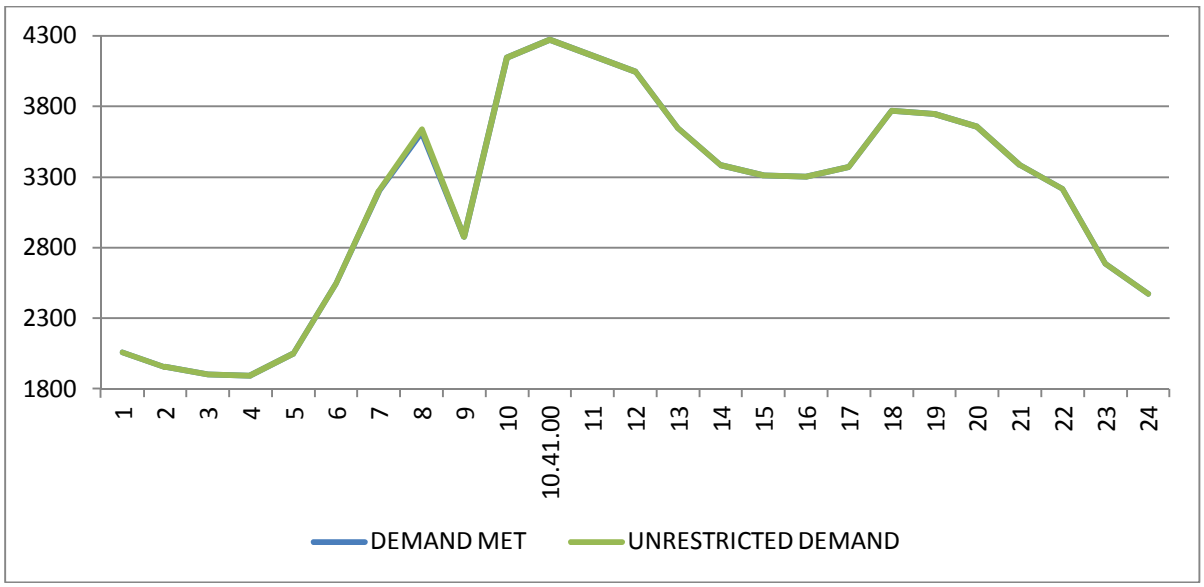
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Dec.14	0.000	0.025	0.017	0.000	0.000	0.000	0.000	0.011	**0.079**	**0.079**
02-Dec.14	0.003	0.004	0.000	0.000	0.000	0.000	0.000	0.026	**0.063**	**0.080**
03-Dec.14	0.002	0.003	0.000	0.000	0.000	0.000	0.000	0.002	**0.007**	**0.044**
04-Dec.14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	**0.009**	**0.009**
05-Dec.14	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.013	**0.021**	**0.021**
06-Dec.14	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.002	**0.009**	**0.009**
07-Dec.14	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.001	**0.030**	**0.030**
08-Dec.14	0.012	0.000	0.0001	0.000	0.000	0.000	0.000	0.0004	**0.012**	**0.0122**
09-Dec.14	0.002	0.008	0.000	0.000	0.000	0.000	0.000	0.024	**0.034**	**0.071**
10-Dec.14	0.000	0.007	0.004	0.000	0.000	0.000	0.000	0.034	**0.048**	**0.048**
11-Dec.14	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.015	**0.029**	**0.086**
12-Dec.14	0.022	0.045	0.000	0.000	0.000	0.000	0.000	0.016	**0.097**	**0.170**
13-Dec.14	0.016	0.000	0.0003	0.000	0.000	0.000	0.000	0.028	**0.045**	**0.370**
14-Dec.14	0.115	0.051	0.0001	0.000	0.000	0.000	0.000	0.000	**0.200**	**0.200**
15-Dec.14	0.000	0.005	0.022	0.000	0.000	0.000	0.000	0.014	**0.046**	**0.046**
16-Dec.14	0.001	0.028	0.001	0.000	0.000	0.000	0.000	0.030	**0.060**	**0.170**
17-Dec.14	0.000	0.000	0.0002	0.000	0.000	0.000	0.000	0.0004	**0.001**	**0.1584**
18-Dec.14	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.022	**0.037**	**0.117**
19-Dec.14	0.001	0.047	0.001	0.000	0.000	0.000	0.000	0.025	**0.107**	**0.781**
20-Dec.14	0.000	0.000	0.001	0.000	0.010	0.000	0.000	0.014	**0.025**	**0.240**
21-Dec.14	0.017	0.008	0.0002	0.000	0.000	0.000	0.000	0.021	**0.046**	**0.729**
22-Dec.14	0.034	0.000	0.012	0.000	0.000	0.000	0.000	0.033	**0.079**	**0.485**
23-Dec.14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	**0.026**	**0.064**
24-Dec.14	0.012	0.002	0.002	0.000	0.000	0.000	0.000	0.030	**0.071**	**0.279**
25-Dec.14	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.025	**0.028**	**1.625**
26-Dec.14	0.000	0.010	0.0003	0.000	0.000	0.000	0.000	0.022	**0.032**	**0.036**
27-Dec.14	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.003	**0.004**	**0.019**
28-Dec.14	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.006**	**0.045**
29-Dec.14	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.030	**0.113**	**0.127**
30-Dec.14	0.000	0.071	0.008	0.000	0.000	0.000	0.000	0.007	**0.086**	**0.086**
31-Dec.14	0.008	0.054	0.000	0.000	0.000	0.000	0.000	0.003	**0.065**	**0.065**
TOTAL	**0.311**	**0.398**	**0.076**	**0.000**	**0.010**	**0.000**	**0.000**	**0.490**	**1.515**	**6.302**

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-Dec.14	57.489	**3095**	18:15:28	0	**3095**	**3095**	18:15:28	**3095**	0
02-Dec.14	57.976	**3050**	10:26:54	0	**3050**	**3050**	10:26:54	**3050**	0
03-Dec.14	59.281	**3090**	10:00	0	**3090**	**3090**	10:00	**3090**	0
04-Dec.14	58.584	**3102**	18:08:20	0	**3102**	**3102**	18:08:20	**3102**	0
05-Dec.14	58.062	**3252**	10:01:16	6	**3258**	**3258**	10:01:16	**3252**	6
06-Dec.14	57.103	**3112**	10:23:23	0	**3112**	**3112**	10:23:23	**3112**	0
07-Dec.14	52.776	**2985**	10:03:36	0	**2985**	**2985**	10:03:36	**2985**	0
08-Dec.14	57.725	**3087**	10:00	0	**3087**	**3087**	10:00	**3087**	0
09-Dec.14	58.528	**3151**	18:32:59	19	**3170**	**3170**	18:32:59	**3151**	19
10-Dec.14	58.753	**3203**	09:54:15	0	**3203**	**3203**	09:54:15	**3203**	0
11-Dec.14	58.766	**3157**	10:31:29	0	**3157**	**3157**	10:31:29	**3157**	0
12-Dec.14	59.670	**3243**	10:12:50	0	**3243**	**3243**	10:12:50	**3243**	0
13-Dec.14	56.973	**3361**	10:22:27	0	**3361**	**3361**	10:22:27	**3361**	0
14-Dec.14	55.112	**3295**	10:43	0	**3295**	**3295**	10:43	**3295**	0
15-Dec.14	58.036	**3230**	10:07:40	0	**3230**	**3230**	10:07:40	**3230**	0
16-Dec.14	60.359	**3293**	10:04:09	17	**3310**	**3310**	10:04:09	**3293**	17
17-Dec.14	61.536	**3423**	10:07:34	0	**3423**	**3423**	10:07:34	**3423**	0
18-Dec.14	63.008	**3592**	10:03:30	0	**3592**	**3592**	10:03:30	**3592**	0
19-Dec.14	64.850	**3626**	10:00:01	86	**3712**	**3712**	10:00:01	**3626**	86
20-Dec.14	61.839	**3631**	10:10:36	5	**3636**	**3636**	10:10:36	**3631**	5
21-Dec.14	60.118	**3652**	11:09:28	123	**3775**	**3775**	11:09:28	**3652**	123
22-Dec.14	65.951	**3845**	10:01:11	0	**3845**	**3845**	10:01:11	**3845**	0
23-Dec.14	68.906	**4021**	10:42:23	0	**4021**	**4021**	10:42:23	**4021**	0
24-Dec.14	68.901	**4002**	10:55	0	**4002**	**4002**	10:55	**4002**	0
25-Dec.14	66.773	**4106**	10:02:38	9	**4115**	**4115**	10:02:38	**4106**	9
26-Dec.14	73.053	**4271**	10:41:35	0	**4271**	**4271**	10:41.35	**4271**	0
27-Dec.14	67.297	**3919**	10:05:51	0	**3919**	**3919**	10:05:51	**3919**	0
28-Dec.14	63.630	**3970**	10:36	0	**3970**	**3980**	11:00	**3906**	74
29-Dec.14	68.989	**4238**	10:26	0	**4238**	**4238**	10:26	**4238**	0
30-Dec.14	69.968	**4023**	10:07:21	0	**4023**	**4023**	10:07:21	**4023**	0
31-Dec.14	69.566	**4165**	10:45	0	**4165**	**4165**	10:45	**4165**	0
TOTAL	**1919.578**	**4271** **26.12.14**	10:41:35	0	**4271** 26.12.14	**4271**	10:41:35	**4271**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2014 ON 26.12.2014- 4271MW AT 10.41.35HRS.

All figures in MW

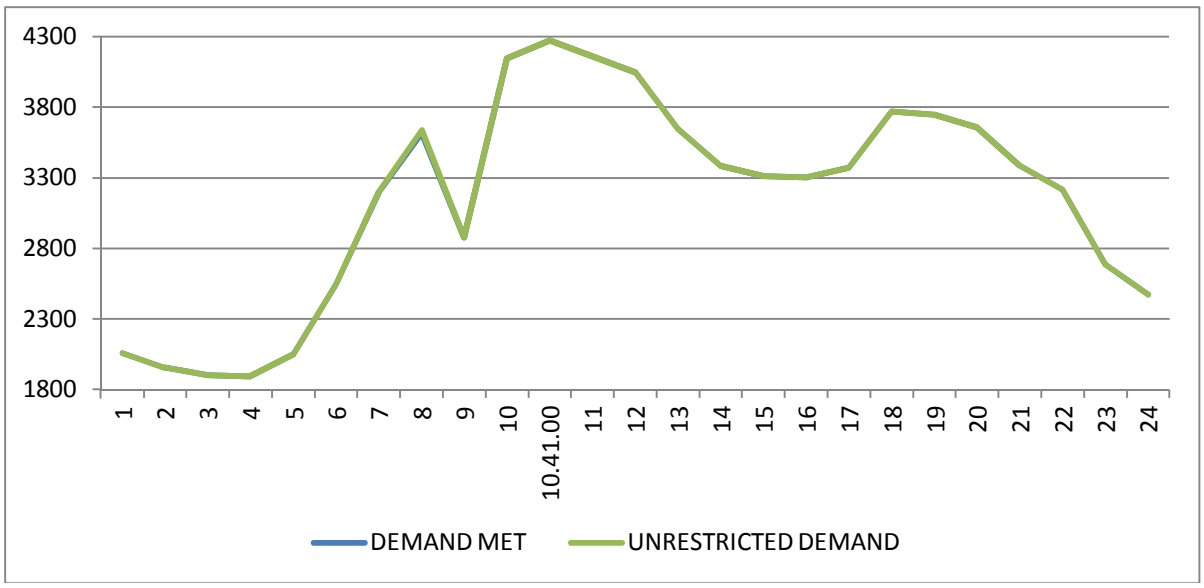
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2058	0	2058
2.00	1957	0	1957
3.00	1902	0	1902
4.00	1896	0	1896
5.00	2050	0	2050
6.00	2546	0	2546
7.00	3200	1	3201
8.00	3616	21	3637
9.00	2879	0	2879
10.00	4147	0	4147
10.41.00	4271	0	4271
11.00	4160	0	4160
12.00	4044	0	4044
13.00	3649	0	3649
14.00	3383	0	3383
15.00	3313	0	3313
16.00	3303	0	3303
17.00	3370	0	3370
18.00	3767	0	3767
19.00	3746	0	3746
20.00	3658	0	3658
21.00	3386	0	3386
22.00	3218	0	3218
23.00	2689	0	2689
24.00	2476	0	2476
Total (IN MUS)	**73.053**	**0.036**	**73.089**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2014 ON 26.12.2014- 4271MW AT 10.41.35HRS.

All figures in MW

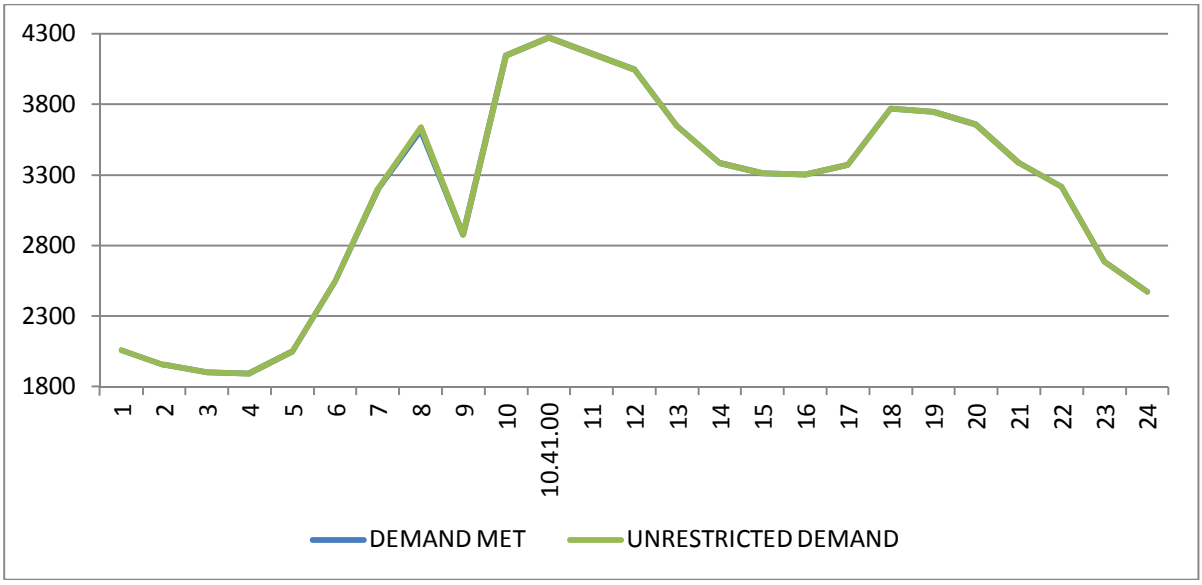
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2058	0	2058
2.00	1957	0	1957
3.00	1902	0	1902
4.00	1896	0	1896
5.00	2050	0	2050
6.00	2546	0	2546
7.00	3200	1	3201
8.00	3616	21	3637
9.00	2879	0	2879
10.00	4147	0	4147
10.41.00	4271	0	4271
11.00	4160	0	4160
12.00	4044	0	4044
13.00	3649	0	3649
14.00	3383	0	3383
15.00	3313	0	3313
16.00	3303	0	3303
17.00	3370	0	3370
18.00	3767	0	3767
19.00	3746	0	3746
20.00	3658	0	3658
21.00	3386	0	3386
22.00	3218	0	3218
23.00	2689	0	2689
24.00	2476	0	2476
Total (IN MUS)	**73.053**	**0.036**	**73.089**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2014 – 26.12.2014 – 73.053Mus

All figures in MW

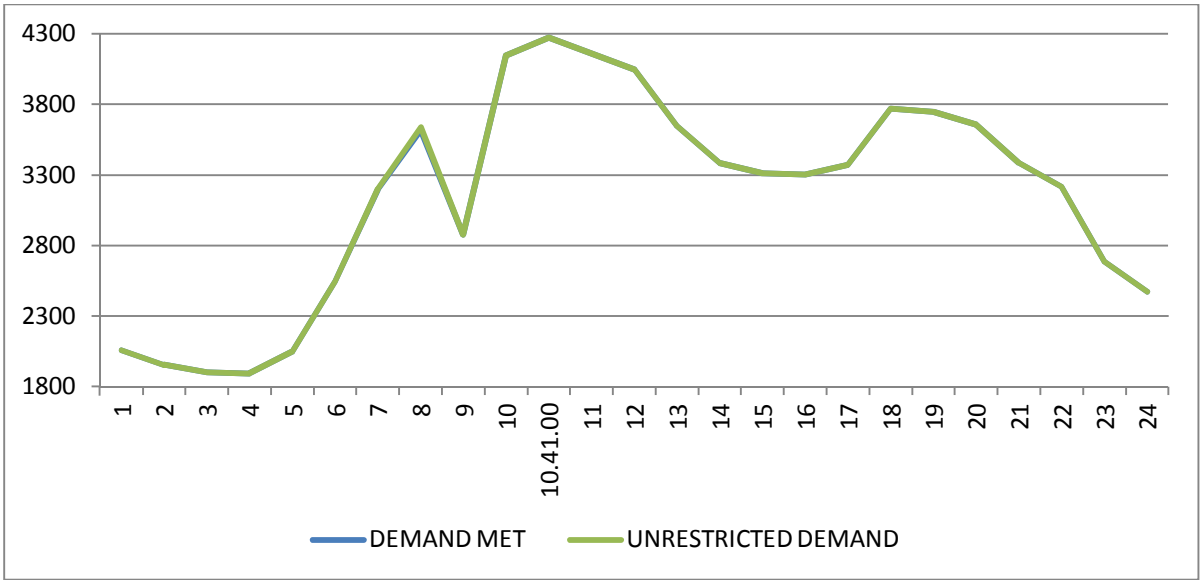
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2058	0	2058
2.00	1957	0	1957
3.00	1902	0	1902
4.00	1896	0	1896
5.00	2050	0	2050
6.00	2546	0	2546
7.00	3200	1	3201
8.00	3616	21	3637
9.00	2879	0	2879
10.00	4147	0	4147
10.41.00	4271	0	4271
11.00	4160	0	4160
12.00	4044	0	4044
13.00	3649	0	3649
14.00	3383	0	3383
15.00	3313	0	3313
16.00	3303	0	3303
17.00	3370	0	3370
18.00	3767	0	3767
19.00	3746	0	3746
20.00	3658	0	3658
21.00	3386	0	3386
22.00	3218	0	3218
23.00	2689	0	2689
24.00	2476	0	2476
Total (IN MUS)	**73.053**	**0.036**	**73.089**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2014 – 26.12.2014 – 73.089 Mus

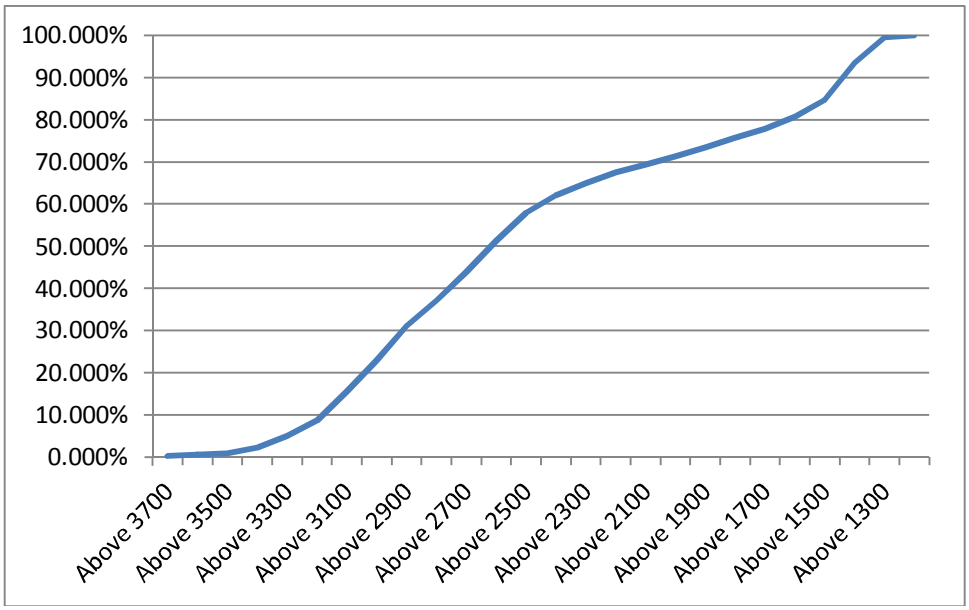
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2058	0	2058
2.00	1957	0	1957
3.00	1902	0	1902
4.00	1896	0	1896
5.00	2050	0	2050
6.00	2546	0	2546
7.00	3200	1	3201
8.00	3616	21	3637
9.00	2879	0	2879
10.00	4147	0	4147
10.41.00	4271	0	4271
11.00	4160	0	4160
12.00	4044	0	4044
13.00	3649	0	3649
14.00	3383	0	3383
15.00	3313	0	3313
16.00	3303	0	3303
17.00	3370	0	3370
18.00	3767	0	3767
19.00	3746	0	3746
20.00	3658	0	3658
21.00	3386	0	3386
22.00	3218	0	3218
23.00	2689	0	2689
24.00	2476	0	2476
Total (IN MUS)	**73.053**	**0.036**	**73.089**



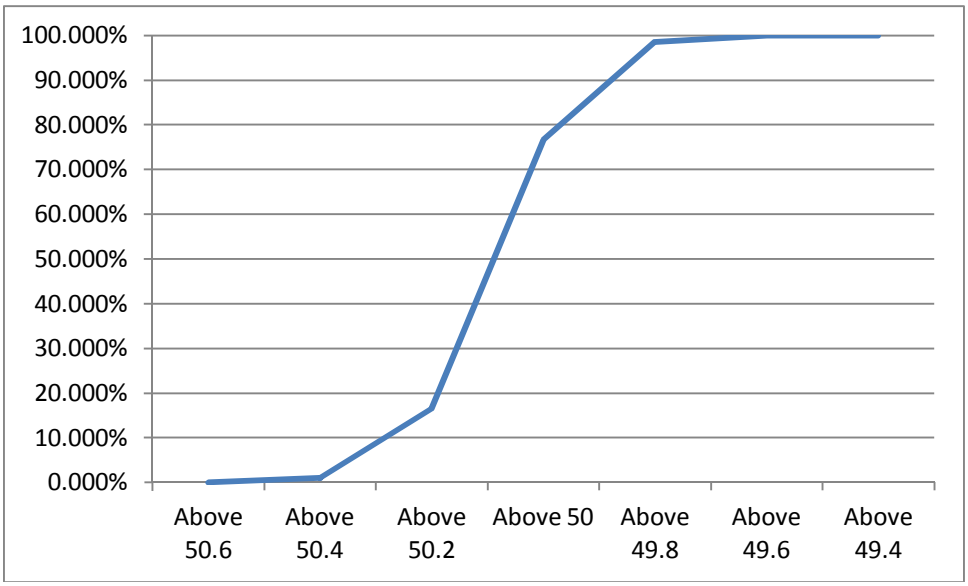
14 LOAD DURATION CURVE FOR DECEMBER 2014

Load in MW	Percentage of Time
Above 3700	0.168%
Above 3600	0.605%
Above 3500	0.974%
Above 3400	2.285%
Above 3300	4.973%
Above 3200	8.703%
Above 3100	15.625%
Above 3000	22.984%
Above 2900	31.082%
Above 2800	37.130%
Above 2700	43.784%
Above 2600	51.344%
Above 2500	57.930%
Above 2400	62.030%
Above 2300	64.987%
Above 2200	67.507%
Above 2100	69.355%
Above 2000	71.237%
Above 1900	73.353%
Above 1800	75.638%
Above 1700	77.789%
Above 1600	80.746%
Above 1500	84.610%
Above 1400	93.380%
Above 1300	99.462%
Above 1200	100.000%



15 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2014

Frequency Range in Hz.	Percentage of time
Above 50.6	0.030%
Above 50.4	0.970%
Above 50.2	16.430%
Above 50	76.650%
Above 49.8	98.520%
Above 49.6	99.970%
Above 49.4	100.000%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Dec.14	230.59	228.01	234.72	222.21
02-Dec.14	228.14	--	233.43	--
03-Dec.14	231.75	216.02	237.30	220.92
04-Dec.14	230.46	215.37	235.88	220.53
05-Dec.14	229.17	217.05	234.72	221.82
06-Dec.14	229.17	216.66	235.62	220.92
07-Dec.14	229.43	218.60	237.30	226.34
08-Dec.14	230.21	216.28	237.56	224.66
09-Dec.14	230.21	216.02	237.30	223.50
10-Dec.14	231.75	215.12	237.30	222.98
11-Dec.14	231.37	216.53	236.91	223.63
12-Dec.14	230.85	216.66	236.91	222.47
13-Dec.14	230.85	217.88	237.81	222.98
14-Dec.14	233.17	219.24	238.46	226.21
15-Dec.14	233.82	216.53	236.91	220.92
16-Dec.14	231.37	215.12	235.36	221.05
17-Dec.14	230.46	215.37	235.36	220.27
18-Dec.14	228.92	--	233.69	--
19-Dec.14	231.11	214.34	236.27	218.66
20-Dec.14	230.59	215.76	233.82	217.52
21-Dec.14	231.75	216.66	235.62	221.56
22-Dec.14	230.46	215.37	234.98	219.24
23-Dec.14	230.85	--	234.33	--
24-Dec.14	229.82	--	233.17	--
25-Dec.14	231.88	215.41	233.82	219.50
26-Dec.14	232.40	213.95	232.53	216.53
27-Dec.14	229.30	214.34	234.07	217.05
28-Dec.14	231.11	216.53	235.36	222.34
29-Dec.14	230.21	214.60	230.72	219.50
30-Dec.14	229.82	214.08	231.88	215.63
31-Dec.14	229.82	213.95	231.75	216.26

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Dec.14	419.73	02.02.39	397.45	10.13	408.02
02-Dec.14	420.90	04.02.19	--	13.52	405.50
03-Dec.14	423.01	04.04.30	394.41	09.40	407.62
04-Dec.14	420.20	04.02.56	394.64	10.36	406.95
05-Dec.14	418.32	04.05.07	398.16	10.30	407.59
06-Dec.14	418.09	04.02.30	394.88	12.24	406.88
07-Dec.14	420.20	21.57.39	400.74	12.27	410.95
08-Dec.14	419.73	03.02.30	398.39	10.52	408.68
09-Dec.14	420.67	02.03.13	398.39	11.30	408.90
10-Dec.14	421.84	04.03.05	395.81	12.18	408.52
11-Dec.14	420.67	03.04.31	396.05	14.28	407.29
12-Dec.14	418.32	03.25.06	289.72	10.44	406.69
13-Dec.14	418.56	03.01.23	393.23	09.24	408.03
14-Dec.14	422.08	23.58.22	400.27	09.38	411.80
15-Dec.14	423.72	02.59.33	397.22	18.09	408.81
16-Dec.14	420.20	04.01.02	396.99	18.15	407.61
17-Dec.14	418.09	03.01.11	393.47	09.33	406.11
18-Dec.14	417.15	03.01.29	--	09.49	403.04
19-Dec.14	420.20	03.01.15	392.76	13.49	404.00
20-Dec.14	416.68	23.59.06	393.94	12.10	404.45
21-Dec.14	419.50	04.00.26	396.28	12.18	409.71
22-Dec.14	419.26	04.03.58	397.22	09.36	406.71
23-Dec.14	419.73	01.58.01	--	16.14	405.83
24-Dec.14	415.04	21.26.06	--	10.55	375.28
25-Dec.14	419.73	05.03.00	397.45	09.14	408.28
26-Dec.14	419.73	05.03.00	392.76	09.37	405.62
27-Dec.14	416.68	03.04.00	396.05	14.40	403.45
28-Dec.14	419.26	02.36.00	396.05	10.38	407.55
29-Dec.14	418.32	04.02.00	391.36	11.10	405.27
30-Dec.14	417.15	02.02.00	390.91	10.36	404.58
31-Dec.14	418.09	03.01.00	391.12	09.20	405.15

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Dec.14	426.06	02.03.02	408.71	10.09.00	412.87
02-Dec.14	424.19	21.01.49	--	--	--
03-Dec.14	423.72	01.14.15	405.19	10.43.00	417.11
04-Dec.14	422.55	20.39.16	404.49	11.36.00	412.96
05-Dec.14	426.30	20.59.06	406.13	10.43.00	415.95
06-Dec.14	426.30	20.48.31	404.49	12.18.00	415.62
07-Dec.14	427.47	21.57.11	409.88	12.27.00	418.88
08-Dec.14	426.06	03.01.38	407.54	11.24.00	416.75
09-Dec.14	427.70	02.01.21	406.60	14.57.00	417.00
10-Dec.14	429.11	04.20.17	404.49	12.17.00	416.61
11-Dec.14	427.23	03.04.25	406.37	12.17.00	415.97
12-Dec.14	426.53	03.23.58	406.83	10.36.00	416.46
13-Dec.14	427.70	21.48.24	406.37	10.38.00	418.17
14-Dec.14	430.99	03.58.52	412.46	09.52.00	421.69
15-Dec.14	431.92	02.58.25	408.01	18.10.00	418.94
16-Dec.14	428.64	03.05.54	407.77	18.12.00	417.73
17-Dec.14	426.77	03.01.43	--	15.38.00	415.66
18-Dec.14	426.77	01.50.31	409.16	00.59.00	417.79
19-Dec.14	430.75	03.01.20	403.79	14.45.00	415.99
20-Dec.14	430.28	04.02.33	406.60	15.00.00	417.71
21-Dec.14	428.64	01.01.11	408.01	12.18.00	419.77
22-Dec.14	427.70	01.01.41	409.18	18.43.00	418.01
23-Dec.14	429.58	01.57.57	--	16.14.00	416.79
24-Dec.14	426.06	03.03.05	--	11.00.00	417.32
25-Dec.14	427.94	04.04.00	407.30	18.32.00	418.10
26-Dec.14	428.41	05.03.00	404.25	14.50.00	416.93
27-Dec.14	426.06	03.01.00	403.22	10.23.00	415.04
28-Dec.14	427.47	02.35.00	407.54	10.38.00	417.24
29-Dec.14	426.53	04.02.00	405.19	11.12.00	415.23
30-Dec.14	426.03	02.02.00	403.32	10.36.00	414.78
31-Dec.14	426.77	03.01.00	405.19	12.17.00	416.56

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 DECEMBER 2014

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 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 (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	07-09-14	16:34	PARKSTREET 220/66kV 100MVA Tx-I	25-12-14	16:57	TR. TRIPPED ON ON BUCHOLZ, 86A, DIFFERENTIAL R&B PHASE. TRANSFORMER DAMAGED.
5	01-12-14	07:48	WAZIRPUR 220/33kV 100MVA Tx-II	01-12-14	13:02	TX TRIPPED ON 86. BUS COUPLER TRIPPED ON R-PH POLE DISCREPANCY.
6	01-12-14	09:58	RIDGE VALLEY 220/66kV 160MVA Tx-I	01-12-14	10:15	TX TRIPPED ON LOCAL BACKUP PROTECTION.
7	01-12-14	09:58	RIDGE VALLEY 220/66kV 160MVA Tx-II	01-12-14	10:15	TX TRIPPED ON LOCAL BACKUP PROTECTION.
8	01-12-14	09:58	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	01-12-14	10:15	CKT TRIPPED ON LOCAL BACKUP PROTECTION.
9	01-12-14	09:58	220kV NARAINA-RIDGE VALLEY CKT-I	01-12-14	10:15	CKT TRIPPED ON LOCAL BACKUP PROTECTION AT RIDGE VALLEY.
10	01-12-14	09:58	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-1	01-12-14	10:15	CKT TRIPPED ON LOCAL BACKUP PROTECTION.
11	01-12-14	10:24	400kV Dadri - Harsh Vihar Ckt. -II	01-12-14	11:46	SUPPLY FAILED FROM DADRI.
12	01-12-14	11:14	400kV Dadri - Harsh Vihar Ckt. -II	01-12-14	12:44	AT HARSH VIHAR CKT TRIPPED ON D/P, Z-1, DIST-13.6 KM.
13	01-12-14	15:01	400kV Dadri - Harsh Vihar Ckt. -II	01-12-14	20:00	AT HARSH VIHAR CKT TRIPPED ON D/P, Z-1, DIST-13.8 KM.
14	01-12-14	16:59	220kV WAZIRABAD-GEETA COLONY CKT-II	01-12-14	17:24	AT WZB CKT TRIPPED ON D/P, Z-1, DIST-2.9 KM. AT GEETA COLONY CKT TRIPPED ON D/P, E/F.
15	01-12-14	17:03	220kV OKHLA - BTPS CKT. - II	01-12-14	17:34	AT BTPS CKT TRIPPED ON D/P, Z-1, R-PH, DIST-4.3KM. NO TRIPPING AT OKHLA.
16	02-12-14	20:10	220kV GOPALPUR- MANDOLACKT-I	02-12-14	20:48	AT MANDOLA CKT TRIPPED ON D/P, Z-1, R-PH, 186 A&B, DIST-10.18 KM. NO TRIPPING AT GOPALPUR.
17	02-12-14	16:56	ELECTRIC LANE 220/33kV 100MVA Tx-II	02-12-14	19:10	TX TRIPPED DUE TO ELECTROCUTION OF MONKEY IN YARD.
18	02-12-14	16:56	ELECTRIC LANE 220/33kV 100MVA Tx-I	02-12-14	19:10	TX TRIPPED DUE TO ELECTROCUTION OF MONKEY IN YARD.
19	05-12-14	21:55	SARITA VIHAR 220/66kV 100MVA Tx-I	05-12-14	22:24	TX TRIPPED ON 195,186.
20	06-12-14	10:00	SARITA VIHAR 66/11kV, 20MVA Tx-I	06-12-14	16:30	TX TRIPPED WITHOUT INDICATION.
21	06-12-14	15:40	220kV GOPALPUR-SUBZI MANDI CKT-II	06-12-14	16:10	AT GOPALPUR CKT TRIPPED ON SUPERVISION RELAY AND FUSE FAIL. NO TRIPPING AT SUBZIMANDI.
22	08-12-14	08:22	PAPPANKALAN-I 66/11kV 20MVA Tx-I	08-12-14	11:15	TX TRIPPED ON OLTC BUCHHOLZ.
23	08-12-14	16:01	220KV WAZIRABAD - MANDOLA CKT-I	08-12-14	19:13	AT WZB CKT TRIPPED ON D/P, Z-1, DIST-6.9 KM. AT MDL CKT TRIPPED ON R-PH, D/P, Z-1, DIST-8.8 KM.
24	11-12-14	17:30	INDRAPRASTHA POWER 33kV KAMLA MARKET CKT (BAY-30)	12-12-14	18:00	FIRE REPORTED AT CABLE END BOX OF 33KV BAY-30. CABLE EARTHING DAMAGED.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
25	11-12-14	17:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	11-12-14	17:45	FIRE REPORTED AT CABLE END BOX OF 33KV BAY-30. 33KV I/C-1 TRIPPED ON 86.
26	11-12-14	17:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	11-12-14	17:45	FIRE REPORTED AT CABLE END BOX OF 33KV BAY-30. 33KV I/C-2 TRIPPED ON B-PH, O/C.
27	12-12-14	07:15	PARKSTREET 66/33kV, 30MVA Tx-II	12-12-14	11:42	TX TRIPPED ON MAIN BUCHHOLZ, 30A, 30G, 86.
28	12-12-14	10:45	MASJID MOTH 220/33kV 100MVA Tx-II	12-12-14	11:20	33KV I/C-2 TRIPPED ON O/C, E/F, 86. CB OF 33KV COURT COMPLEX CKT-2 DAMAGED.
29	12-12-14	10:45	MASJID MOTH 33kV COURTCOMPLEX NO-II CKT	12-12-14	18:40	CKT TRIPPED ON D/P,Z-1. CB OF FEEDER DAMAGED.
30	12-12-14	04:59	400kV Ballabhgarh-Bamnauli Ckt-I	12-12-14	05:15	AT BAMNAULI CKT TRIPPED ON D/P, Z-1, 186 A&B. NO TRIPPING AT BALLABGARH END.
31	12-12-14	15:49	220kV NARELA - MANDOLA CKT-I	12-12-14	16:41	AT MDL CKT TRIPPED ON D/P, Z-1, R-PH. AT NRL CB OF CKT WAS IN OFF POSITION AND LOAD WAS RUNNING TOWARDS BAWANA.
32	13-12-14	12:26	400kV Dadri-Harsh Vihar Ckt-I	13-12-14	13:05	AT HARSH VIHAR CKT TRIPPED ON INTER TRIP, Z-1.
33	13-12-14	13:07	400kV Dadri-Harsh Vihar Ckt-I	14-12-14	17:59	CKT TRIPPED ON INTER TRIP AT HARSH VIHAR. TRIED TO CHARGE FROM HARSH VIHAR BUT DID NOT HOLD. LATER S/D AVAILED ON CKT ON 14.12.2014 BY NTPC.
34	14-12-14	04:01	400kV Bamnauli-Jhatikara Ckt-II	14-12-14	06:08	AT BAMNAULI CKT TRIPPED ON INTER TRIP AUTO LOCK OUT.
35	14-12-14	10:35	400kV Bamnauli-Jhatikara Ckt-I	14-12-14	11:02	AT BAMNAULI CKT TRIPPED ON D/P, Z-1, 186 A&B. CVT AVAILABLE AT BAMNAULI.
36	14-12-14	10:48	220kV PRAGATI - SARITA VIHAR CKT	14-12-14	11:20	AT SARITA VIHAR CKT TRIPPED ON D/P, Z-1,186 A&B,DIST-352.4 METER. AT PRAGATI CKT TRIPPED ON AB&C-PH, DIST-9.128 KM.
37	14-12-14	15:35	400kV Bawana-Mundka Ckt-II	14-12-14	16:28	AT BWN CKT TRIPPED ON D/P, Z-1, 186, DIST-5.6 KM, A/R. AT MUNDKA CKT TRIPPED ON D/P, Z-1, R-PH, 186, DIST-11.7 KM, A/R.
38	14-12-14	16:15	220kV MEHRAULI - BTPS CKT- I	14-12-14	17:05	AT MEH CKT TRIPPED ON D/P, Z-2, AB&C-PH, DIST-13.38 KM. AT BTPS CKT TRIPPED ON E/F, DIST-6.6 KM.
39	14-12-14	16:07	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	14-12-14	16:35	33KV I/C-1 TRIPPED ON 86.
40	14-12-14	16:07	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	15-12-14	15:15	33KV I/C-2 TRIPPED ON E/F. PROBLEM IN BUS ISOLATOR OF 33KV I/C-2.
41	14-12-14	20:30	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	14-12-14	22:55	33KV I/C-1 TRIPPED ON E/F, 86.
42	14-12-14	20:30	INDRAPRASTHA POWER 33kV CONNAUGHT PLACE CKT (BAY-38)	15-12-14	12:20	PROBLEM IN CB.
43	15-12-14	07:40	NAJAFGARH 66kV PASCHIM VIHAR CKT-I (BODHELA-II CKT-I)	15-12-14	13:05	PROBLEM IN B-PH ISOLATOR JAW
44	15-12-14	11:28	BAWANA 400/220kV 315MVA ICT-VI	15-12-14	16:44	ICT TRIPPED ON Y-PH OSR.
45	16-12-14	13:04	NAJAFGARH 66kV PASCHIM VIHAR CKT-I (BODHELA-II CKT-I)	16-12-14	13:38	CKT TRIPPED ON 186. PROBLEM IN D/P RELAY.
46	18-12-14	05:19	BAWANA 400/220kV 315MVA ICT-II	19-12-14	13:05	ICT TRIPPED ON 30B, 30A, 30F,297. 220KV I/C-2 TRIPPED ON INTER TRIP.
47	19-12-14	18:51	220kV MAHARANI BAGH - 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.
48	19-12-14	18:51	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	20-12-14	12:26	AT MAHARANIBAGH CKT TRIPPED ON Y-PH E/F, DIST-14 KM. NO TRIPPING AT TRAUMA CENTER END.
49	20-12-14	09:05	220kV PRAGATI - SARITA VIHAR CKT	20-12-14	10:29	AT SARITA VIHAR CKT TRIPPED ON 186 A&B, A/R. NO TRIPPING AT PRAGATI END.
50	20-12-14	09:27	PARKSTREET 220/66kV 100MVA Tx-II	20-12-14	10:49	TX TRIPPED ON 86A, DIFFERENTIAL PROTECTION, A-PH 87TA, C-PH 87 TC, E/F.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
51	22-12-14	05:39	220kV SARITA VIHAR - BTPS CKT.-II	22-12-14	12:26	AT BTPS CKT TRIPPED ON Y-PH, E/F, DIST-1.2 KM. AT SARITA VIHAR CKT TRIPPED ON 186 A&B, A/R, B&Y-PH.
52	22-12-14	05:39	220kV PRAGATI - SARITA VIHAR CKT-II	22-12-14	06:02	AT PRAGATI CKT TRIPPED ON D/P, Z-1, DIST-8.567 KM. NO TRIPPING AT SARITA VIHAR.
53	22-12-14	19:25	220kV BAWANA - KANJHAWALA CKT-2	22-12-14	19:37	AT KANJHAWALA CKT TRIPPED ON D/P, R&Y-PH. NO TRIPPING AT BAWANA.
54	24-12-14	10:42	LODHI RD 33/11kV, 20MVA Tx-II	27-12-14	12:39	TX TRIPPED ON DIFFERENTIAL PROTECTION.
55	24-12-14	12:15	220kV PRAGATI - SARITA VIHAR CKT-II	24-12-14	15:03	AT SARITA VIHAR CKT TRIPPED ON R & B-PH, 186, A/R. NO TRIPPING AT PRAGATI.
56	24-12-14	13:45	220kV NARELA - MANDOLA CKT-II	24-12-14	15:35	SUPPLY FAILED FROM MANDOLA.
57	24-12-14	13:45	220kV GOPALPUR- MANDOLACKT-II	24-12-14	15:49	AT MDL CKT TRIPPED ON A/R LOCK OUT, DIRECT TRIP SIGNAL, BACK UP PROTECTION. NO TRIPPING AT GOPALPUR.
58	24-12-14	13:45	220kV GOPALPUR- MANDOLACKT-I	24-12-14	15:49	AT MDL CKT TRIPPED ON A/R LOCK OUT, DIRECT TRIP SIGNAL, BACK UP PROTECTION. NO TRIPPING AT GOPALPUR.
59	25-12-14	22:00	SUBZI MANDI 220/33kV 100MVA Tx-II	25-12-14	23:07	TX TRIPPED ON DIFFERENTIAL PICK UP, HVCB OPEN, LVCB OPEN.
60	26-12-14	05:58	SUBZI MANDI 220/33kV 100MVA Tx-II	26-12-14	08:54	TX TRIPPED ON DIFFERENTIAL.
61	26-12-14	09:42	NARAINA 33kV SHEKHAWATI CKT	26-12-14	09:55	CKT TRIPPED ON LOW GAS PRESSURE.
62	26-12-14	19:31	SUBZI MANDI 220/33kV 100MVA Tx-II	26-12-14	22:50	TX TRIPPED ON E/F,186.
63	28-12-14	05:12	BAMNAULI 400/220kV 315MVA ICT-IV	29-12-14	16:35	ICT TRIPPED ON BUCHHOLZ RELAY, 30A,OIL LEVEL LOW ALARM,86A1, 86B1.
64	29-12-14	13:17	WAZIRPUR 220/33kV 100MVA Tx-II	29-12-14	14:13	TX TRIPPED ON DIFFERENTIAL, DIRECTIONAL E/F, 86 A&B.
65	29-12-14	21:25	OKHLA 33kV ALAKNANDA CKT-II	30-12-14	22:35	Y-PH JUMPER BROKEN AND PROBLEM IN CB.
66	29-12-14	21:25	OKHLA 220/33kV 100MVA Tx-III	29-12-14	21:55	33KV I/C-3 TRIPPED ON O/C.
67	29-12-14	21:25	OKHLA 220/33kV 100MVA Tx-V	29-12-14	21:55	33KV I/C-5 TRIPPED ON E/F.
68	29-12-14	21:25	OKHLA 220/33kV 100MVA Tx-IV	29-12-14	21:55	TX TRIPPED ON O/C, 86 ALONG WITH 33KV I/C-3 WHICH TRIPPED ON E/F.
69	30-12-14	09:50	SARITA VIHAR 66/11kV, 20MVA Tx-II	30-12-14	12:20	TX TRIPPED ON 30D BUCHHOLZ AND 11KV I/C-2 TRIPPED ON O/C.
70	29-12-14	21:25	220kV OKHLA - BTPS CKT. - II	29-12-14	21:50	AT OKHLA CKT TRIPPED ON D/P, O/C, E/F. NO TRIPPING AT BTPS.

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

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