DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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JULY 2014

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1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JULY 2013	JULY 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	685	1372
	TOWMCL	16	16
	Total	2249	2936
2	**Maximum Unrestricted Demand (MW)**	**5466**	**6006**
	Date	02.07.2013	15.07.2014
	Time	15.01.31	15.20.20
3	**Peak Demand met (MW)**	**5384**	**5925**
	Date	04.07.2013	15.07.2014
	Time	15.13.52	15.20.20
4	Peak Availability (MW)	5319	5766
5	Shortage (-) / Surplus (+) in MW	(-)65	(-)159
6	Percentage Shortage (-) / Surplus (+)	(-) 1.21	(-) 2.68
7	Maximum Energy Consume in a day (Mus)	105.320	121.410
8	Energy Consumed during the month	**2874.022**	**3309.757**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.028	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.776	0.463
	BRPL	0.498	0.669
	BYPL	0.392	0.064
	NDMC	0.004	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.275	0.000
	Total due to Grid Restriction	**1.973**	**1.196**
B)	Due to Constraints in System in Mus		
	DTL	4.404	6.122
	NDPL	0.475	0.250
	BRPL	1.735	2.499
	BYPL	0.376	0.787
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.955	0.082
	Total	**7.962**	**9.740**
11	**Grand Total in Mus**	**9.935**	**10.936**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JULY 2014

A) For the month of July 2014

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	60.799	8.850	51.949	57.79	0.092
2.	**GT**	112.372	3.881	108.491	65.11	19.582
3.	**PPCL**	216.090	5.402	210.688	90.37	5.00
4.	**BTPS**	405.431	42.581	362.850	87.10	54.90
5.	**Rithala**	0.000	0.062	0.062	**89.17**	61.008
6.	**Bawana**	193.112	8.044	185.068	96.36	--
7.	**Towmcl**	10.661	1.708	8.953	--	--
	TOTAL	**998.465**	**70.528**	**928.061**	**--**	**--**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jul 2014	Availability (%) for Jul 2014	PLF (%) for Jul 2014	Cumulative Generation in MUs upto Jul 2014 for the year 2014-15	Cumulative Availability in % upto Jul 2014 for the year 2014-15	Cumulative PLF in % upto Jul 2014 for the year 2014-15
RPH	135	51.949	57.79	57.59	246.713	71.98	58.12
GT	270	108.491	65.11	55.06	435.246	58.07	47.36
PPCL	330	210.688	90.37	88.28	743.306	59.41	57.53
BTPS	705	362.850	87.10	76.89	1316.312	87.10	70.81
Rithala	108	0.062	**89.17**	--	-0.296	**89.17**	**--**
Bawana	1372	185.068	96.36	13.2	640.022	96.77	8.50
Towmcl	16	8.953	--	--	51.553	--	--
TOTAL	2936	**928.061**	**--**	**--**	**3432.856**	**--**	--

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

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

((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	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01.02.14	17.00	31.07.14	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

Unit No	Capacit y 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

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	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

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	31.07.14	23.59	

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	

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

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

(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

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

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

(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

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

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	AVR & Excitation system problem
		30.05.14	23.53	30.05.14	23.59	
		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

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

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

(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	

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	31.07.14	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	28.10.13	00.00	31.07.14	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	31.07.14	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	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	27.03.14	00.00	31.07.14	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	31.07.14	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	31.07.14	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	31.07.14	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**

5 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF POWER TO VARIOUS LISCENCEES AS PER ORDER OF DERC AND DECISION OF GNCTD FOR ALLOCATION OF CENTRAL SECTOR STATIONS (DADRI THERMAL & BTPS) AND STATE SECTOR GENERATING STATIONS w.e.f. 06.08.2013.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.63	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

(B) 00.00hrs. to 10.00hrs. and 17.00hrs. to 24.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0	0	29.18	43.58	27.24	100.00
2. Dadri (Th)	16.53	0	24.22	36.86	22.39	100.00
3. BTPS	17.73	7.09	21.81	33.2	20.17	100.00
4. RPH	0	0	29.025	44.133	26.842	100.00
5. GT	0	0	29.02	44.16	26.82	100.00
6. Pragati	30.3	0	20.22	30.78	18.7	100.00
7. DVC	0	0	29.18	43.58	27.24	100.00
8. BAWANA CCGT*	7.30	1.82	20.688	30.888	19.304	80.00

* 20% POWER OF BAWANA CCGT ALLOCATED TO HARYANA (10%) & PUNJAB (10%)

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING JULY 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	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	16.41.48	87	101	288	0	295	18	550	1339	3855	3815	40	5194	0	5194
2	00.00.21	83	101	290	0	288	18	589	1369	3510	3559	-49	4879	0	4879
3	15.03.58	51	134	293	0	234	0	511	1223	3365	3654	-289	4588	0	4588
4	15.55.14	52	128	282	0	307	6	532	1307	3739	3845	-106	5046	0	5046
5	14.44.59	0	151	276	0	298	6	514	1245	3813	3691	122	5058	0	5058
6	00.17.47	32	179	289	0	292	6	581	1379	3477	3466	11	4856	93	4949
7	15.20.29	32	179	289	0	292	6	581	1379	3907	3753	154	5286	63	5349
8	15.39.27	45	166	275	0	274	6	358	1124	4349	4205	144	5473	139	5612
9	15.38.58	45	166	274	0	278	6	575	1344	4290	4421	-131	5634	29	5663
10	16.11.23	48	138	274	0	277	6	596	1339	4450	4350	100	5789	31	5820
11	15.58.40	48	169	271	0	275	15	580	1358	4452	4472	-20	5810	67	5877
12	14.56.01	47	171	275	0	268	13	592	1366	4206	4353	-147	5572	28	5600
13	00.00.19	82	176	274	0	248	17	590	1387	3993	4135	-142	5380	129	5509
14	15.49.26	102	172	280	0	277	13	578	1422	4284	4431	-147	5706	34	5740
15	15.20.20	102	176	277	0	266	12	573	1406	4519	4360	159	5925	81	6006
16	15.36.05	100	177	282	0	268	13	505	1345	4385	4213	172	5730	23	5753
17	15.12.16	99	178	282	0	279	15	580	1433	4222	4280	-58	5655	47	5702
18	15.31.00	45	101	262	0	-5	16	501	920	3719	3931	-212	4639	68	4707
19	23.00.34	38	184	267	0	-6	8	479	970	3673	3573	100	4643	0	4643
20	23.07.32	43	146	262	0	-3	7	445	900	3937	3734	203	4837	6	4843
21	22.56.23	102	145	288	0	294	15	519	1363	3955	3880	75	5318	23	5341
22	22.40.05	98	181	273	0	302	12	464	1330	3950	3925	25	5280	7	5287
23	00.01.01	96	183	198	0	300	11	480	1268	3771	3668	103	5039	0	5039
24	15.15.33	97	176	262	0	229	14	422	1200	3624	3627	-3	4824	3	4827
25	23.00.54	93	151	283	0	297	14	416	1254	3576	3599	-23	4830	1	4831
26	22.55.11	90	150	288	0	300	12	419	1259	3794	3608	186	5053	3	5056
27	00.00.15	91	150	288	0	297	10	417	1253	3735	3316	419	4988	0	4988
28	15.08.28	97	150	285	0	301	11	226	1070	3841	3818	23	4911	3	4914
29	00.00.38	97	155	261	0	295	8	299	1115	3436	3453	-17	4551	0	4551
30	15.30.04	88	72	284	0	294	8	425	1171	3824	3911	-87	4995	3	4998
31	15.06.58	96	67	280	0	292	9	412	1156	4029	3909	120	**5185**	3	5188

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JULY 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	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	16.41.48	87	101	288	0	295	18	550	1339	3855	3815	40	5194	0	5194
2	00.00.21	83	101	290	0	288	18	589	1369	3510	3559	-49	4879	0	4879
3	15.03.58	51	134	293	0	234	0	511	1223	3365	3654	-289	4588	0	4588
4	15.55.14	52	128	282	0	307	6	532	1307	3739	3845	-106	5046	0	5046
5	14.44.59	0	151	276	0	298	6	514	1245	3813	3691	122	5058	0	5058
6	00.17.47	32	179	289	0	292	6	581	1379	3477	3466	11	4856	93	4949
7	15.20.29	32	179	289	0	292	6	581	1379	3907	3753	154	5286	63	5349
8	15.39.27	45	166	275	0	274	6	358	1124	4349	4205	144	5473	139	5612
9	15.38.58	45	166	274	0	278	6	575	1344	4290	4421	-131	5634	29	5663
10	16.11.23	48	138	274	0	277	6	596	1339	4450	4350	100	5789	31	5820
11	15.58.40	48	169	271	0	275	15	580	1358	4452	4472	-20	5810	67	5877
12	14.56.01	47	171	275	0	268	13	592	1366	4206	4353	-147	5572	28	5600
13	00.00.19	82	176	274	0	248	17	590	1387	3993	4135	-142	5380	129	5509
14	15.49.26	102	172	280	0	277	13	578	1422	4284	4431	-147	5706	34	5740
15	15.20.20	102	176	277	0	266	12	573	1406	4519	4360	159	5925	81	6006
16	15.36.05	100	177	282	0	268	13	505	1345	4385	4213	172	5730	23	5753
17	15.12.16	99	178	282	0	279	15	580	1433	4222	4280	-58	5655	47	5702
18	15.31.00	45	101	262	0	-5	16	501	920	3719	3931	-212	4639	68	4707
19	23.00.34	38	184	267	0	-6	8	479	970	3673	3573	100	4643	0	4643
20	23.07.32	43	146	262	0	-3	7	445	900	3937	3734	203	4837	6	4843
21	22.56.23	102	145	288	0	294	15	519	1363	3955	3880	75	5318	23	5341
22	22.40.05	98	181	273	0	302	12	464	1330	3950	3925	25	5280	7	5287
23	00.01.01	96	183	198	0	300	11	480	1268	3771	3668	103	5039	0	5039
24	15.15.33	97	176	262	0	229	14	422	1200	3624	3627	-3	4824	3	4827
25	23.00.54	93	151	283	0	297	14	416	1254	3576	3599	-23	4830	1	4831
26	22.55.11	90	150	288	0	300	12	419	1259	3794	3608	186	5053	3	5056
27	00.00.15	91	150	288	0	297	10	417	1253	3735	3316	419	4988	0	4988
28	15.08.28	97	150	285	0	301	11	226	1070	3841	3818	23	4911	3	4914
29	00.00.38	97	155	261	0	295	8	299	1115	3436	3453	-17	4551	0	4551
30	15.30.04	88	72	284	0	294	8	425	1171	3824	3911	-87	4995	3	4998
31	15.06.58	96	67	280	0	292	9	412	1156	4029	3909	120	**5185**	3	5188

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

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

A (i) RPH	60.799
(ii) GT+STG	112.372
(iii) PRAGATI	216.090
(iv) RITHALA	0.000
(v) BAWANA CCGT	193.112
(vi) Timarpur ï Okhla	10.661
TOTAL	593.034
B) AVAILABILITY FROM BTPS	363.572
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	27.947
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**928.659**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	10.179	9.857	10.179	9.857
SALAL	55.117	53.374	55.117	53.374
SASAN	161.074	155.998	155.729	150.819
TANKAPUR	6.044	5.854	6.044	5.854
CHAMERA	31.399	30.406	31.399	30.406
CHAMERA -II	28.774	27.864	28.774	27.864
CHAMERA -III	20.933	20.271	20.933	20.271
DHAULIGANGA	7.478	7.244	7.478	7.244
SEWA -2	5.696	5.514	5.696	5.514
URI	38.834	37.606	38.834	37.606
URI-II	23.921	23.165	23.921	23.165
KOTESHWAR	12.413	12.018	12.413	12.018
PARBATI3	21.528	20.846	21.528	20.846
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	13.797	13.363	11.029	10.682
ANTA (RLNG)	15.893	15.388	0.042	0.041
ANTA (LIQUID)	0.013	0.013	0.000	0.000
DADRI (GAS)	17.860	17.297	13.925	13.485
DADRI (RLNG)	26.942	26.090	0.261	0.252
DADRI (LIQUID)	0.001	0.001	0.000	0.000
AURAIYA (GAS)	11.095	10.743	8.214	7.954
AURAIYA (RLNG)	38.784	37.558	0.134	0.130
AURAIYA (LIQUID)	0.149	0.144	0.000	0.000
SINGRAULI	90.593	87.729	89.063	86.248
RIHAND -I	57.485	55.671	53.885	52.186
RIHAND -II	72.191	69.906	67.757	65.614
RIHAND -III	67.049	64.926	64.488	62.447
UNCHAHAR-I	16.787	16.256	11.856	11.481
UNCHAHAR-II	33.271	32.219	23.691	22.943
UNCHAHAR-III	20.378	19.734	14.698	14.233
DADRI (TH)	534.692	517.790	422.244	408.908
DADRI (TH) STAGE-II	428.399	414.885	370.240	358.570
NAPP	21.527	20.846	21.527	20.846
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	31.333	30.338	31.333	30.338
NATHPA JHAKRI	111.831	108.296	83.155	80.526
DULASTI	28.196	27.304	28.196	27.304
TEHRI	29.407	28.471	29.407	28.471
JHAJJAR	0.000	0.000	0.000	0.000
KHELGAON	27.726	26.848	23.770	23.018
KHELGAON-II	66.635	64.523	61.920	59.959
FARAKA	12.360	11.968	11.265	10.908
TALA	22.716	21.997	22.716	21.997
TALCHER	0.000	0.000	0.000	0.000
DVC	147.796	146.270	146.270	141.654

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
HARYANA	0.051	0.051	0.051	0.049
ASSAM	9.119	8.956	8.956	8.673
TRIPURA	0.033	0.032	0.032	0.031
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	199.816	197.754	197.754	191.509
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.504	0.487	0.504	0.487
JAMMU & KASHMIR	182.259	179.766	179.766	174.084
HIMACHAL PRADESH	115.254	113.677	113.677	110.084
MEGHALAYA	0.093	0.091	0.091	0.088
MADHYA PRADESH	45.208	44.331	44.331	42.923
WEST BENGAL	0.641	0.635	0.635	0.615
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT-05)	16.693	16.464	16.464	15.945
JHARKHAND	15.221	15.110	15.110	14.632
ORISSA	0.000	0.000	0.000	0.000
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	-0.077	-0.079	-0.079	-0.081
TO KERALA	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO NEPAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	-15.000	-15.158	-15.158	-15.657
POWER EXCHANGE(IEX)	77.915	75.441	77.915	75.441
TO POWER EXCHANGE (IEX)	-74.281	-76.701	-74.281	-76.701
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-14.873	-15.359	-14.873	-15.359
TO SHARE PROJECT (HARYANA)	-10.381	-10.724	-10.381	-10.724
TO SHARE PROJECT (PUNJAB)	-10.379	-10.722	-10.379	-10.722
TOTAL	**2906.111**	**2820.647**	**2559.269**	**2470.355**

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	1445.377	1399.712	1151.528	1115.174
NTPC - ER	106.722	103.339	96.955	93.885
NHPC	278.099	269.306	278.099	269.306
NPC	52.860	51.184	52.860	51.184
SASAN	161.074	155.998	155.729	150.819
KOTESHWAR	12.413	12.018	12.413	12.018
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	111.831	108.296	83.155	80.526
TEHRI	29.407	28.471	29.407	28.471
TALA	22.716	21.997	22.716	21.997
JHAJJAR	0.000	0.000	0.000	0.000
TALCHER	0.000	0.000	0.000	0.000
DVC	147.796	146.270	146.270	141.654
HARYANA	0.051	0.051	0.051	0.049
ASSAM	9.119	8.956	8.956	8.673
TRIPURA	0.033	0.032	0.032	0.031
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	199.816	197.754	197.754	191.509
DVC MEJIA (LT-08)(BYPL)	0.000	0.000	0.000	0.000
URS	0.504	0.487	0.504	0.487
JAMMU & KASHMIR	182.259	179.766	179.766	174.084
HIMACHAL PRADESH	115.254	113.677	113.677	110.084
MEGHALAYA	0.093	0.091	0.091	0.088
MADHYA PRADESH(WR)	45.208	44.331	44.331	42.923
WEST BENGAL	0.641	0.635	0.635	0.615
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	16.693	16.464	16.464	15.945
JHARKHAND	15.221	15.110	15.110	14.632
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	77.915	75.441	77.915	75.441
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3031.101**	**2949.389**	**2684.418**	**2599.597**

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 MEGHALAYA	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO JAMMU & KASHMIR	-0.077	-0.079	-0.079	-0.081
TO ANDHRA	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO NEPAL	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO WEST BENGAL	-15.000	-15.158	-15.158	-15.657
TO POWER EXCHANGE (IEX)	-74.281	-76.701	-74.281	-76.701
TO POWER EXCHANGE (PX)	-14.873	-15.359	-14.873	-15.359
TO SHARE PROJECT (HARYANA)	-10.381	-10.724	-10.381	-10.724
TO SHARE PROJECT (PUNJAB)	-10.379	-10.722	-10.379	-10.722
TOTAL	**-124.900**	**-128.741**	**-125.150**	**-129.242**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2096.111**	**2820.647**	**2559.269**	**2470.355**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				3337.704
NET CONSUMPTION				**3309.757**

AVAILABILITY WITHIN DELHI		928.659
ACTUAL DRAWAL FROM THE GRID		2381.098
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-89.257
LOAD SHEDDING		10.936
UNRESTRICTED DEMAND (GROSS)		3348.640
UNRESTRICTED DEMAND (NET)		3320.693
MAX. NET CONSUMPTION		121.410 ON 12.07.2014
MAX. LOAD SHEDDING		579MW ON 12.07.2014 AT 14.10HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5925MW AT 15.20.20HRS ON 15.07.2014	81 MW
EVENING PEAK	5565MW AT 23.00HRS ON 14.07.2014	27MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	60.53%
	GT	55.94%
	PRAGATI	88.01%
	RITHALA	0.00%
	BAWANA	18.93%
	Timarpur Okhla	89.56%

9 SHEDDING DETAILS DURING THE MONTH OF JULY 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	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	11A
01-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.006	0.000	0.000	0.000
02-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.051	0.000	0.000
05-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.111	0.000	0.000	0.000
08-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.009	0.000	0.000
09-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.001	0.000	0.000
10-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.011	0.141	0.039	0.000	0.000
11-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.035	0.000	0.000	0.000
12-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.023	0.000	0.000
13-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.047	0.033	0.041	0.000	0.000
16-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.045	0.000	0.000
17-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.020	0.000	0.000
19-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.044	0.000	0.000
21-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.006	0.053	0.014	0.000	0.000
22-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.062	0.000	0.000	0.000
23-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.040	0.000	0.000
24-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.056	0.000	0.000	0.000
26-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.107	0.065	0.000	0.000
27-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.046	0.000	0.000
28-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000	0.000
30-Jul-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.065	0.020	0.000	0.000
31-Jul-14	0	0.000	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**	**0.064**	**0.669**	**0.463**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				TOTAL	TOTAL SHEDDING DUE TO GRID RESTRICTIONS	Due to T&D Constraints				
							DTL				
	BSES		NDPL	NDMC			BSES		NDPL	NDMC	MES
	BYPL	BRPL					BYPL	BRPL			
	12	13	14	15	16=8to15	17=16+7	18	19	20	21	22
01-Jul-14	0.000	0.000	0.000	0.000	**0.006**	**0.006**	0.000	0.188	0.000	0.000	0.000
02-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.971	0.022	0.045	0.082	0.000
03-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
04-Jul-14	0.000	0.000	0.000	0.000	**0.051**	**0.051**	0.000	0.152	0.000	0.000	0.000
05-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.189	0.108	0.012	0.000	0.000
06-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.020	0.059	0.002	0.000	0.000
07-Jul-14	0.000	0.000	0.000	0.000	**0.111**	**0.111**	0.096	0.251	0.026	0.000	0.000
08-Jul-14	0.000	0.000	0.000	0.000	**0.009**	**0.009**	0.039	0.638	0.000	0.000	0.000
09-Jul-14	0.000	0.000	0.000	0.000	**0.001**	**0.001**	0.126	0.385	0.023	0.000	0.000
10-Jul-14	0.000	0.000	0.000	0.000	**0.191**	**0.191**	0.294	0.537	0.004	0.000	0.000
11-Jul-14	0.000	0.000	0.000	0.000	**0.035**	**0.035**	0.482	0.123	0.001	0.000	0.000
12-Jul-14	0.000	0.000	0.000	0.000	**0.023**	**0.023**	0.162	0.080	0.452	0.000	0.000
13-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.031	0.231	0.000	0.000
14-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.003	0.000	0.000
15-Jul-14	0.000	0.000	0.000	0.000	**0.121**	**0.121**	0.000	0.013	0.004	0.000	0.000
16-Jul-14	0.000	0.000	0.000	0.000	**0.045**	**0.045**	0.000	0.051	0.000	0.000	0.000
17-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.006	0.015	0.000	0.000	0.000
18-Jul-14	0.000	0.000	0.000	0.000	**0.020**	**0.020**	0.002	0.000	0.005	0.000	0.000
19-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
20-Jul-14	0.000	0.000	0.000	0.000	**0.044**	**0.044**	0.009	0.003	0.0001	0.000	0.000
21-Jul-14	0.000	0.000	0.000	0.000	**0.073**	**0.073**	0.000	0.019	0.029	0.000	0.000
22-Jul-14	0.000	0.000	0.000	0.000	**0.062**	**0.062**	0.000	0.003	0.000	0.000	0.000
23-Jul-14	0.000	0.000	0.000	0.000	**0.040**	**0.040**	0.000	0.000	0.000	0.000	0.000
24-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.001	0.000	0.001	0.000	0.000
25-Jul-14	0.000	0.000	0.000	0.000	**0.056**	**0.056**	0.000	0.000	0.000	0.000	0.000
26-Jul-14	0.000	0.000	0.000	0.000	**0.172**	**0.172**	0.000	0.000	0.000	0.000	0.000
27-Jul-14	0.000	0.000	0.000	0.000	**0.046**	**0.046**	0.000	0.000	0.000	0.000	0.000
28-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.002	0.000	0.000
29-Jul-14	0.000	0.000	0.000	0.000	**0.005**	**0.005**	0.006	0.014	0.015	0.000	0.000
30-Jul-14	0.000	0.000	0.000	0.000	**0.085**	**0.085**	0.000	0.000	0.000	0.000	0.000
31-Jul-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.046	0.000	0.043	0.000	0.000
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**1.196**	**1.196**	**2.450**	**2.692**	**0.898**	**0.082**	**0.000**

ALL FIGURES IN MUs

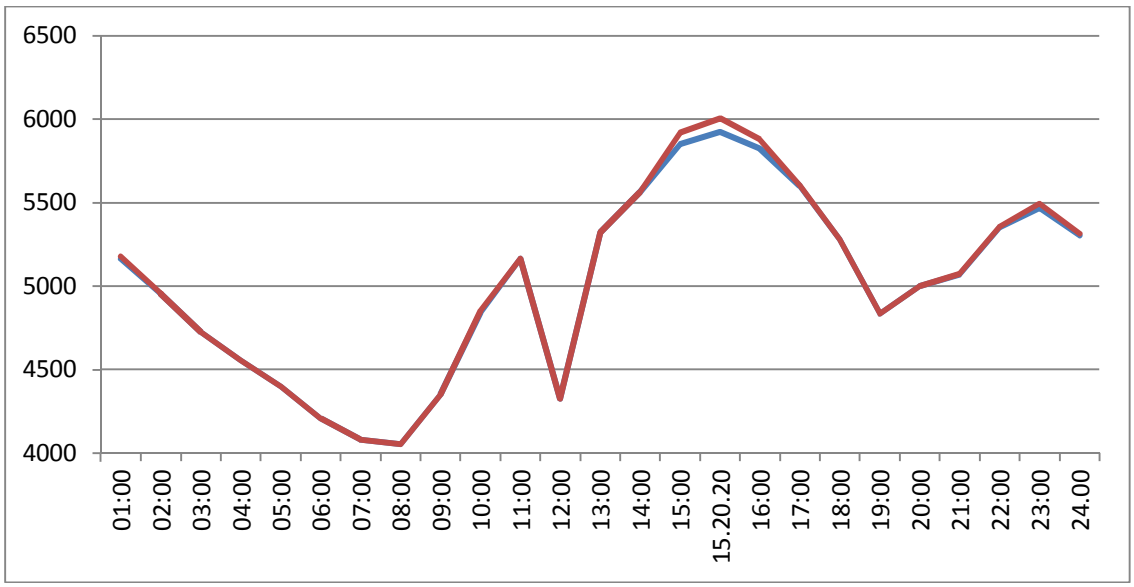
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Jul-14	0.024	0.047	0.002	0.000	0.000	0.000	0.000	0.000	**0.261**	**0.267**
02-Jul-14	0.009	0.111	0.014	0.000	0.017	0.000	0.000	0.000	**1.271**	**1.271**
03-Jul-14	0.018	0.010	0.008	0.000	0.000	0.000	0.000	0.000	**0.036**	**0.036**
04-Jul-14	0.000	0.067	0.003	0.000	0.000	0.000	0.000	0.000	**0.222**	**0.273**
05-Jul-14	0.000	0.028	0.005	0.000	0.000	0.000	0.000	0.000	**0.342**	**0.342**
06-Jul-14	0.008	0.217	0.004	0.000	0.000	0.000	0.000	0.000	**0.310**	**0.310**
07-Jul-14	0.090	0.036	0.006	0.000	0.000	0.000	0.000	0.000	**0.505**	**0.616**
08-Jul-14	0.040	0.148	0.031	0.000	0.000	0.000	0.000	0.000	**0.896**	**0.905**
09-Jul-14	0.000	0.061	0.048	0.000	0.002	0.000	0.000	0.000	**0.645**	**0.646**
10-Jul-14	0.028	0.164	0.019	0.000	0.000	0.000	0.000	0.000	**1.046**	**1.237**
11-Jul-14	0.059	0.307	0.002	0.000	0.000	0.000	0.000	0.000	**0.974**	**1.009**
12-Jul-14	0.080	0.314	0.037	0.000	0.000	0.000	0.000	0.000	**1.125**	**1.148**
13-Jul-14	0.099	0.235	0.003	0.000	0.000	0.000	0.000	0.000	**0.600**	**0.600**
14-Jul-14	0.000	0.140	0.006	0.000	0.000	0.000	0.000	0.000	**0.149**	**0.149**
15-Jul-14	0.024	0.088	0.010	0.000	0.000	0.000	0.000	0.000	**0.139**	**0.260**
16-Jul-14	0.017	0.049	0.0004	0.000	0.000	0.000	0.000	0.000	**0.117**	**0.162**
17-Jul-14	0.070	0.047	0.007	0.000	0.000	0.000	0.000	0.000	**0.145**	**0.145**
18-Jul-14	0.029	0.027	0.000	0.000	0.000	0.000	0.000	0.000	**0.063**	**0.083**
19-Jul-14	0.000	0.000	0.0002	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.0002**
20-Jul-14	0.090	0.001	0.0005	0.000	0.000	0.000	0.000	0.000	**0.104**	**0.148**
21-Jul-14	0.033	0.020	0.007	0.000	0.000	0.000	0.000	0.000	**0.108**	**0.181**
22-Jul-14	0.000	0.099	0.007	0.000	0.000	0.000	0.000	0.000	**0.109**	**0.171**
23-Jul-14	0.000	0.020	0.003	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.063**
24-Jul-14	0.000	0.044	0.000	0.000	0.002	0.000	0.000	0.000	**0.048**	**0.048**
25-Jul-14	0.000	0.086	0.000	0.000	0.000	0.000	0.000	0.000	**0.086**	**0.142**
26-Jul-14	0.000	0.021	0.012	0.000	0.000	0.000	0.000	0.000	**0.033**	**0.205**
27-Jul-14	0.042	0.000	0.000	0.000	0.061	0.000	0.000	0.000	**0.103**	**0.149**
28-Jul-14	0.007	0.028	0.001	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.038**
29-Jul-14	0.020	0.030	0.001	0.000	0.000	0.000	0.000	0.000	**0.086**	**0.091**
30-Jul-14	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.105**
31-Jul-14	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.013	**0.136**	**0.136**
TOTAL	**0.787**	**2.499**	**0.237**	**0.000**	**0.082**	**0.000**	**0.000**	**0.013**	**9.740**	**10.936**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01-Jul-14	109.315	**5194**	16:41:48	0	**5194**	**5194**	16:41:48	**5194**	0
02-Jul-14	101.598	**4879**	00:00:21	0	**4879**	**4879**	00:00:21	**4879**	0
03-Jul-14	96.385	**4588**	15:03:58	0	**4588**	**4588**	15:03:58	**4588**	0
04-Jul-14	103.450	**5046**	15:55:14	0	**5046**	**5046**	15:55:14	**5046**	0
05-Jul-14	110.383	**5058**	14:44:59	0	**5058**	**5090**	2300	**4990**	100
06-Jul-14	98.572	**4856**	00:17:47	93	**4949**	**4949**	00:17:47	**4856**	93
07-Jul-14	105.113	**5286**	15:20:29	63	**5349**	**5349**	15:20:29	**5286**	63
08-Jul-14	112.785	**5473**	15:39:27	139	**5612**	**5612**	15:39:27	**5473**	139
09-Jul-14	116.308	**5634**	15:38:58	29	**5663**	**5663**	15:38:58	**5634**	29
10-Jul-14	119.994	**5789**	16:11:23	31	**5820**	**5820**	16:11:23	**5789**	31
11-Jul-14	120.596	**5810**	15:58:40	67	**5877**	**5877**	15:58:40	**5810**	67
12-Jul-14	121.410	**5572**	14:56:01	28	**5600**	**5730**	23:00	**5373**	357
13-Jul-14	110.125	**5380**	00:00:19	129	**5509**	**5509**	00:00:19	**5380**	129
14-Jul-14	115.693	**5706**	15:49:26	34	**5740**	**5740**	15:49:26	**5706**	34
15-Jul-14	117.086	**5925**	15:20:20	81	**6006**	**6006**	15:20:20	**5925**	81
16-Jul-14	115.597	**5730**	15:36:05	23	**5753**	**5753**	15:36:05	**5730**	23
17-Jul-14	111.473	**5655**	15:12:16	47	**5702**	**5702**	15:12:16	**5655**	47
18-Jul-14	95.747	**4639**	15:31	68	**4707**	**4707**	15:31	**4639**	68
19-Jul-14	95.138	**4643**	23:00:34	0	**4643**	**4643**	23:00:34	**4643**	0
20-Jul-14	93.696	**4837**	23:07:32	6	**4843**	**4843**	23:07:32	**4837**	6
21-Jul-14	105.697	**5318**	22:56:23	23	**5341**	**5341**	22:56:23	**5318**	23
22-Jul-14	111.275	**5280**	22:40:05	7	**5287**	**5287**	22:40:05	**5280**	7
23-Jul-14	106.482	**5039**	00:01:01	0	**5039**	**5039**	00:01:01	**5039**	0
24-Jul-14	103.683	**4824**	15:15:33	3	**4827**	**4827**	15:15:33	**4824**	3
25-Jul-14	99.405	**4830**	23:00:54	1	**4831**	**4831**	23:00:54	**4830**	1
26-Jul-14	103.302	**5053**	22:55:11	3	**5056**	**5056**	22:55:11	**5053**	3
27-Jul-14	99.515	**4968**	00:00:15	0	**4968**	**4968**	00:00:15	**4968**	0
28-Jul-14	103.854	**4911**	15:08:28	3	**4914**	**4914**	15:08:28	**4911**	3
29-Jul-14	95.877	**4551**	00:00:38	0	**4551**	**4551**	00:00:38	**4551**	0
30-Jul-14	102.541	**4995**	15:30:04	3	**4998**	**4998**	15:30:04	**4995**	3
31-Jul-14	107.662	**5185**	15:06:58	3	**5188**	**5188**	15:06:58	**5185**	3
TOTAL	**3309.757**	**5925** 15.07.2015	15:20:20	81	**6006** 15.07.2015	**6006**	15:20:20	**5459**	81

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JULY 2014 ON 15.07.2014- 5925MW AT 15.20.20HRS.

All figures in MW

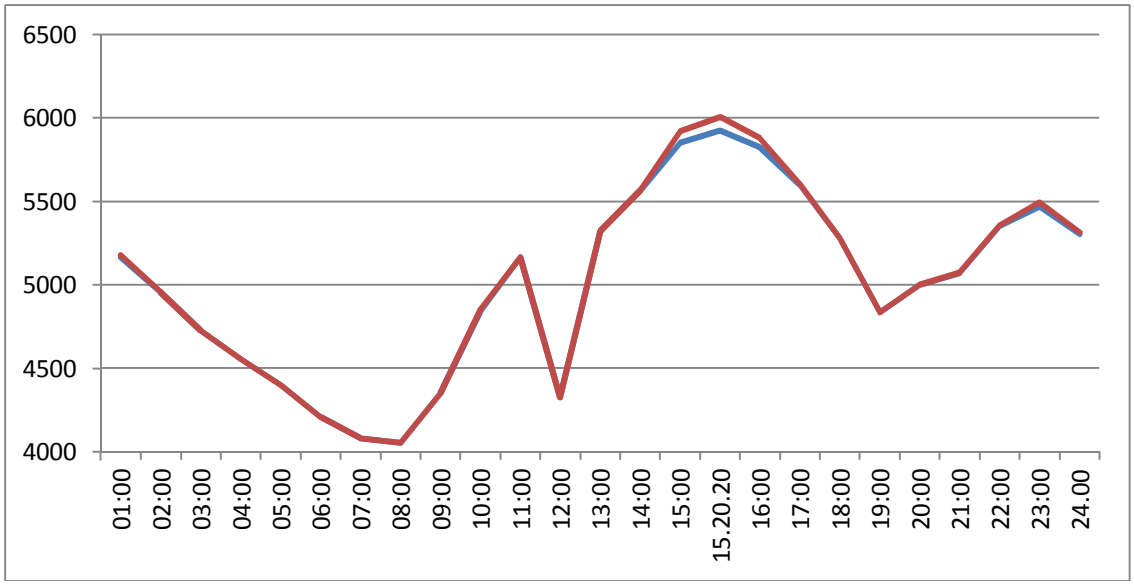
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	5165	13	5178
02:00	4953	3	4956
03:00	4724	1	4725
04:00	4556	0	4556
05:00	4399	0	4399
06:00	4206	0	4206
07:00	4081	0	4081
08:00	4054	0	4054
09:00	4350	0	4350
10:00	4843	11	4854
11:00	5165	0	5165
12:00	4327	0	4327
13:00	5323	0	5323
14:00	5564	0	5564
15:00	5853	66	5919
15.20.20	5925	81	6006
16:00	5825	55	5880
17:00	5597	7	5604
18:00	5281	0	5281
19:00	4837	0	4837
20:00	4999	0	4999
21:00	5071	2	5073
22:00	5355	4	5359
23:00	5469	28	5497
24:00	5305	11	5316
Total (IN MUS)	**117.086**	**0.260**	**117.346**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JULY 2014 ON 15.07.2014- 6006MW AT 15.20.20HRS.

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	5165	13	5178
02:00	4953	3	4956
03:00	4724	1	4725
04:00	4556	0	4556
05:00	4399	0	4399
06:00	4206	0	4206
07:00	4081	0	4081
08:00	4054	0	4054
09:00	4350	0	4350
10:00	4843	11	4854
11:00	5165	0	5165
12:00	4327	0	4327
13:00	5323	0	5323
14:00	5564	0	5564
15:00	5853	66	5919
15.20.20	5925	81	6006
16:00	5825	55	5880
17:00	5597	7	5604
18:00	5281	0	5281
19:00	4837	0	4837
20:00	4999	0	4999
21:00	5071	2	5073
22:00	5355	4	5359
23:00	5469	28	5497
24:00	5305	11	5316
Total (IN MUS)	**117.086**	**0.260**	**117.346**



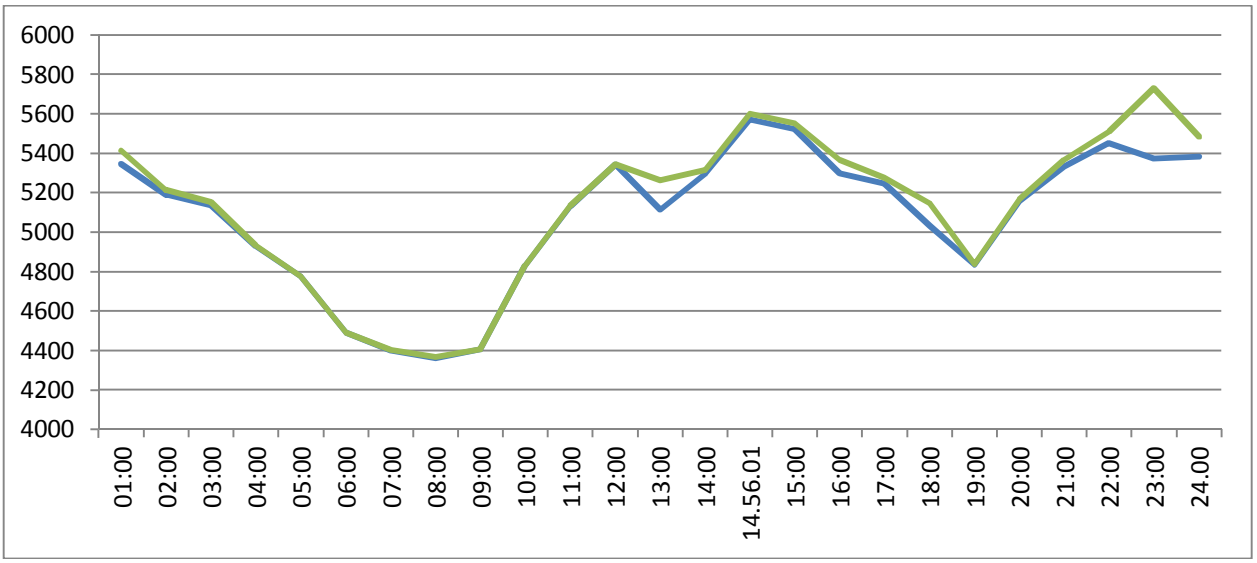
12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JULY 2014 – 12.07.2014 – 121.410Mus All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	5345	67	5412
02:00	5191	22	5213
03:00	5137	16	5153
04:00	4929	2	4931
05:00	4776	0	4776
06:00	4489	0	4489
07:00	4400	2	4402
08:00	4361	5	4366
09:00	4405	0	4405
10:00	4832	0	4832
11:00	5129	3	5132
12:00	5343	2	5345
13:00	5114	149	5263
14:00	5294	20	5314
14.56.01	5572	28	5600
15:00	5523	28	5551
16:00	5299	69	5368
17:00	5246	29	5275
18:00	5031	116	5147
19:00	4834	4	4838
20:00	5154	10	5164
21:00	5331	37	5368
22:00	5451	58	5509
23:00	5373	357	5730
24.00	5382	102	5484
Total (IN MUS)	**121.41**	**1.148**	122.558

13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JULY 2014 – 12.07.2014 – 122.558 Mus

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	5345	67	5412
02:00	5191	22	5213
03:00	5137	16	5153
04:00	4929	2	4931
05:00	4776	0	4776
06:00	4489	0	4489
07:00	4400	2	4402
08:00	4361	5	4366
09:00	4405	0	4405
10:00	4832	0	4832
11:00	5129	3	5132
12:00	5343	2	5345
13:00	5114	149	5263
14:00	5294	20	5314
14.56.01	5572	28	5600
15:00	5523	28	5551
16:00	5299	69	5368
17:00	5246	29	5275
18:00	5031	116	5147
19:00	4834	4	4838
20:00	5154	10	5164
21:00	5331	37	5368
22:00	5451	58	5509
23:00	5373	357	5730
24.00	5382	102	5484
Total (IN MUS)	**121.41**	**1.148**	122.558



18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

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

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

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

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

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

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

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

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF JULY 2014

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01-07-14	13:32	WAZIRABAD 66/11kV, 20MVA Tx-IV	01-07-14	14:45	TR. TRIPPED ON MASTER RELAY 86, DIFFERENTIAL RELAY, 82ABC PHASE.
2	01-07-14	16:40	220kV BAMNAULI - DIAL CKT-I	01-07-14	17:04	AT DIAL CKT. TRIPPED ON B PHASE TRIP, ZONE-1 AT BAMNAULI CKT. TRIPPED ON DIST PROT, C PHASE, 186
3	01-07-14	16:40	220kV BAMNAULI - DIAL CKT-II	01-07-14	16:56	AT DIAL CKT. TRIPPED ON B PHASE TRIP, ZONE-I, GEN TRIP AT BAMNAULI CKT. NO TRIPPING
4	02-07-14	05:43	220kV WAZIRABAD - KASHMEREGATE CKT-II	02-07-14	11:36	AT KASHMIRI GATE CKT. TRIPPED ON POLE DISCRIPANCY AT WAZIRABADNOT TRIPPING
5	02-07-14	11:15	DSIIDC Bawana 220/66kV 100MVA Tx-III	02-07-14	11:26	TR. TRIPPED ON DIFFERENTIAL RELAY AND BUCHHOLZ RELAY, WINDING TEMP ALARM
6	02-07-14	11:46	TRAUMA CENTER 220/33kV 100MVA Tx-II	02-07-14	12:12	TR. TRIPPED ON 86A, 86B, O/C
7	02-07-14	14:03	220kV WAZIRABAD-GEETA COLONY CKT-II	03-07-14	19:45	AT WAZIRABAD CKT TRIPPED ON R PHASE ZONE-I, 1.4KMS AT AT GEETA COLONY DIST PROT, ZONE-1, DISTANCE 24.15% TOWER NO. 14 & 15 220KV WAZIRABAD - KASHMIRI GATE CKT. COLLOPSED NEAR SHASTRI PARK AND FELL ON 220KV WAZIRABAD - GEETA COLONY CKT. -II AT TOWER NO. 13 T-OFF TO KASHMIRI GATE CKT.-I ON TOWER 347 OF 220KV WAZIRABAD - GEETA COLONY CKT. -II TO FEED KASHMIRI GATE
8	02-07-14	14:03	220kV WAZIRABAD-GEETA COLONY CKT-I	02-07-14	17:46	AT WAZIRABAD CKT TRIPPED ON R PHASE ZONE-I, 5.4KMS AT AT GEETA COLONY DIST PROT, ZONE-3, DISTANCE 612.6MTS TOWER NO. 14 & 15 220KV WAZIRABAD - KASHMIRI GATE CKT. COLLOPSED NEAR SHASTRI PARK AND FELL ON 220KV WAZIRABAD - GEETA COLONY CKT. -II
9	02-07-14	14:03	220kV WAZIRABAD - KASHMEREGATE CKT-II	08-07-14	13:47	AT WAZIRABAD R PHASE DIST PROT, ZONE-I DISTANCE 1.4KMS AT KASHMIRI GATE 67NX TOWERS 14 & 15 OF BOTH THE CKTS COLLAPSED NEAR SHASTRI PARK AND FELL ON 220KV WAZIRABAD - GEETA COLONY CKT. -II. 220KV WAZIRABAD - KASHMIRI GATE CKT.-II ENERGIZED ON ERS ON 08.07.2014 AT 13.47HRS. (CKT ENERGIZED ON NORMAL TOWERS AT 22.06HRS. ON 21.07.2014)
10	02-07-14	14:03	220kV WAZIRABAD - KASHMEREGATE CKT-I	18-07-14	14:31	AT WAZIRABAD O/C, R PHASE, AT KASHMIRI GATE 67NX TOWER NO 14 & 15 COLLAPSED AND FELL ON 220KV WAZIRABAD - GEETA COLONY CKT. -II CKT. NORMALIZED ON NORMAL TOWERS ON 18.07.2014
11	03-07-14	08:05	220kV MEHRAULI - VASANT KUNJ CKT.-I	03-07-14	08:24	AT MEHRAULI CKT. TRIPPED ON 186A, 186B, DIST PROT, B PHASE AT VASANT KUNJ NO TRIPPING
12	03-07-14	10:43	220kV GEETA COLONY-PATPARGANJ CKT -II	03-07-14	11:03	AT GEETA COLONY CKT. TRIPPED ON ACTIVE GROUP -I, START PHASE A, TRIPPED ABC, O/C AT PATPARGANJ NO TRIPPING
13	04-07-14	11:49	WAZIRPUR 220/33kV 100MVA Tx-II	04-07-14	12:53	TR. TRIPPED ON REF DIFFERENTIAL PROT ALONGWITH 33KV I/C-II TRIPPED ON REF DIFFERENTIAL INTER TRIP
14	05-07-14	11:50	220kV GOPALPUR- MANDOLACKT-I	05-07-14	12:35	AT GOPALPUR CB MANUALLY MADE OFF AT MANDOLA CKT. TRIPPED ON 186
15	06-07-14	01:14	220kV BAMNAULI-NAJAFGARH CKT-I	06-07-14	01:20	AT BAMNAULI NO TRIPPING AT NAJAFGARH CKT. TRIPPED ON 186
16	06-07-14	01:14	220kV BAMNAULI-NAJAFGARH CKT-II	06-07-14	01:20	AT BAMNAULI NO TRIPPING AT NAJAFGARH CKT. TRIPPED ON 186

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
17	06-07-14	07:42	ROHINI 66/11kV, 20MVA Tx-II	06-07-14	13:35	11KV I/C-II TRIPPED ON O/C ALONGWITH FLASH IN THE ASSOCIATED 11KV BUS FOLLOWING 11KV FEEDERS AFFECTED DDA SEC. 25, MCD FLATS, CENPID, DANV COLONY, NDMC S/STN, PRAHLADPUR
18	06-07-14	17:14	220kV PRAGATI - SARITA VIHAR CKT-I	06-07-14	17:30	AT PRAGATI CKT. TRIPPED ON A-N AT SARITA VIHAR CKT. TRIPPED ON DIST PROT, ZONE-I, 186
19	06-07-14	17:14	220kV PRAGATI - SARITA VIHAR CKT-II	06-07-14	17:30	AT SARITA VIHAR NO TRIPPING. AT PRAGATI CKT TRIPPED ON A-N FAULT DURATION 44.96ms.
20	07-07-14	07:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	07-07-14	09:15	TRIPPED ON O/C, E/F, THEFT OF CONTROL CABLE
21	07-07-14	07:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	07-07-14	09:15	TRIPPED ON O/C, E/F
22	07-07-14	09:05	MASJID MOTH 220/33kV 100MVA Tx-II	10-07-14	21:40	TR. TRIPPED ON BUCHOLZ RELAY, DIRECTIONAL E/F, 86, O/C 33KV I/C-II INTER TRIP
23	07-07-14	10:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	07-07-14	11:10	TR. TRIPPED ON 86, 186, AUXILIARY RELAY , 33KV I/C-III TRIPPED ALONGWITH 33KV BAY NO. 7, 17, 25, 29 , 33 & 37
24	07-07-14	12:29	220kV GOPALPUR- MANDOLACKT-II	07-07-14	13:32	AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-II, FAULT DISTANCE 23.48KMS AT GOPALPUR NO TRIPPING
25	08-07-14	18:46	NAJAFGARH 66kV PASCHIM VIHAR CKT-I (BODHELA-II CKT-I)	09-07-14	03:00	CKT. TRIPPED ON ZONE-I, 86, OIL LEAKAGE IN Y PHASE CT
26	08-07-14	21:58	220kV GOPALPUR- MANDOLACKT-I	09-07-14	19:14	AT GOPALPUR CKT. TRIPPED ON GEN TRIP, ZONE-I, RYB PHASE, MAIN 1 & 2 TRIP ON RYBPHASE AT MANDOLA CKT. TRIPPED ON ZONE-1, DIST. PROT. DISTANCE DISTANCE 19KM, RYB PHASE.
27	09-07-14	11:25	400kV Bamnauli-Jhatikara Ckt-I	09-07-14	17:39	AT BAMNAULI SPARKING OBSERVED ON ON ISOLATOR OF THE CKT. AND HANCE TRIPPED MANUALLY.
28	10-07-14	11:04	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	10-07-14	11:25	AT MAHARANIBAGH CKT. TRIPPED ON 86 AT TRAUMA CENTER NO TRIPPING
29	10-07-14	12:02	220KV GAZIPUR - MAHARANIBAGH CKT. -II	10-07-14	21:46	AT MAHARANIBAGH TRIPPED ON E/F, Z-1 AT GAZIPUR NO TRIPPING R PHASE JUMPER SNAPPED
30	10-07-14	12:08	RIDGE VALLEY 220/66kV 160MVA Tx-II	10-07-14	12:16	TR. TRIPPED ON E/F
31	11-07-14	06:45	220kV PRAGATI - I.P.CKT - II	11-07-14	12:15	AT I.P. CKT TRIPPED WITHOUT INDICATION AT PRAGATI NO TRIPPING
32	12-07-14	12:35	220kV GOPALPUR- MANDOLACKT-II	12-07-14	21:28	AT GOPALPUR CKT. TRIPPED ON ZONE-1, DISTANCE 1.8KM AT MANDOLA CKT. TRIPPED ON ZONE-I R&B PHASE, DIST 13.9KM
33	12-07-14	12:35	220kV GOPALPUR- MANDOLACKT-I	12-07-14	21:28	AT GOPALPUR CKT. TRIPPED ON ZONE-1, R PHSE DISTANCE 7.6KM AT MANDOLA CKT. TRIPPED ON ZONE-1, DIST 11.8KM
34	12-07-14	15:27	220kV PRAGATI - SARITA VIHAR CKT-I	12-07-14	15:40	AT PRAGATI CKT TRIPPED ON DIST PROT, ZONE-1, DISTANCE 6.8KMS AT SARITA VIHAR CKT. TIRPPED ON DIST PROT, ZONE-1, DISTANCE 4.267KM.
35	12-07-14	22:29	220kV GOPALPUR- MANDOLACKT-II	13-07-14	15:24	AT GOPALPUR CKT. TRIPPED ON FUSE FAIL, CB, R PHSE OPEN, MAIN -I R&Y PHASE, MAIN-II - R,Y & B PHASE AT GOPALPUR NO TRIPPING JUMPER SNAPPED OF Y PHASE AT TOWER NO. 323

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
36	13-07-14	12:23	PATPARGANJ 220/33kV 100MVA Tx-III	13-07-14	12:28	33KV I/C-III TRIPPED ON E/F. ALONGWITH 33KV GURU ANAGD NAGAR CKT. I & II ALSO TRIPPEDON E/F, ONE CABLE OF 33KV GURU ANGAD NAGAR CKT. -I ALSO DECLARED FAULTY AND ENERGIZED ON SINGLE CABLE AT 17.05HRS. ON 13.07.2014. 33KV GURU ANGAD NAGAR CKT. -II ENERGIZED AT 17.05HRS. AFTER GETTING CLEARANCE FROM BYPL. 33KV CBD SHAHDRA AND 33KV SCOPE BUILDING ALSO AFFECTED WHICH GOT ENERGIZED AT 12.28HRS. ON 13.07.2014
37	13-07-14	14:40	MEHRAULI 220/66kV 160MVA Tx-I	14-07-14	03:10	TR. TRIPPED ON 186REF, 186, 66KV I/C WITHOUT INDICATION
38	15-07-14	23:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	16-07-14	00:25	33KV I/C-I TRIPPED WITHOUT INDICATION , TR. -I ALSO TRIPPED AT 00.20HRS. ON 16.07.2014 AND CHARGED ON 00.25HRS.
39	15-07-14	23:55	INDRAPRASTHA POWER 33kV KILOKRI CKT (BAY-1)	16-07-14	15:58	BAY TRIPPED ALONGWITH 33KV I/C-I ON E/F.
40	15-07-14	23:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	16-07-14	00:48	33KV I/C-II TRIPPED ON E/F
41	17-07-14	06:51	RIDGE VALLEY 220/66kV 160MVA Tx-II	18-07-14	19:29	TR. TRIPPED ON E/F, 86 A&B
42	17-07-14	06:52	220kV MAHARANI BAGH - LODHI ROAD CKT-I	17-07-14	07:32	AT MAHARANI BAGH CKT. TRIPPED ON Z-1, DISTANCE 2.1KM, Y PHASE. AT LODHI ROAD NO TRIPPING
43	17-07-14	08:50	LODHI RD 33/11kV, 20MVA Tx-II	17-07-14	11:11	TR. TRIPPED ON 86, DIFFERENTIAL 87
44	17-07-14	17:15	LODHI RD 220/33kV 100MVA Tx-II	17-07-14	17:24	33KV I/C-II TRIPPED ON E/F. 33KV R PHASE CT OF EXHIBITION CKT. -II DAMAGED. THE FEEDER ALSO TRIPPED ON E/F. ONE CABLE OF THE CKT. DECLARED FAULTY AND ENERGIZED ON SINGLE CABLE AT 13.05HRS. ON 18.07.2014 AFTER REPLACING THE CT AT LODHI ROAD. 33KV VIDYUT BHAWAN ALSO TRIPPED ON E/F WHICH GOT ENERGIZED AT 05.34HRS. ON 18.07.2014. 11KV SHAN NAGAR CKT. -I TRIPPED ON E/F DURING THE INCIDENT ALSO ENERGIZED AT 17.25HRS. ON 17.07.2014.
45	17-07-14	17:15	LODHI RD 220/33kV 100MVA Tx-I	17-07-14	17:24	33KV I/C-I TRIPPED ON E/F. 33KV R PHASE CT OF EXHIBITION CKT. -II DAMAGED. THE FEEDER ALSO TRIPPED ON E/F. ONE CABLE OF THE CKT. DECLARED FAULTY AND ENERGIZED ON SINGLE CABLE AT 13.05HRS. ON 18.07.2014 AFTER REPLACING THE CT AT LODHI ROAD. 33KV VIDYUT BHAWAN ALSO TRIPPED ON E/F WHICH GOT ENERGIZED AT 05.34HRS. ON 18.07.2014. 11KV SHAN NAGAR CKT. -I TRIPPED ON E/F DURING THE INCIDENT ALSO ENERGIZED AT 17.25HRS. ON 17.07.2014.
46	17-07-14	17:30	INDRAPRASTHA POWER 33kV NIZAMUDDIN CKT (BAY-13)	18-07-14	17:45	TRIPPED ON E/F (CABLE HEALTHY) CONTROL CABLE PROBLEM DUE TO THEFT AT I.P.
47	17-07-14	19:46	MASJID MOTH 220/33kV 100MVA Tx-I	21-07-14	19:45	TR. TRIPPED ON BUCHOLZE, NON DIRECTIONAL E/F, B PHASE BUSHING OF HV SIDE DAMAGED.
48	17-07-14	20:02	WAZIRABAD 220/66kV 100MVA Tx-II	17-07-14	23:34	TR. TRIPPED ON 3 PHASE TRIP,66KV I/C-II TRIP WITHOUT INDICATION
49	17-07-14	20:03	MEHRAULI 66/11kV, 20MVA Tx-I	18-07-14	01:55	TR. TRIPPED ON 30D, OIL TEMP TRIP, 86
50	17-07-14	22:30	INDRAPRASTHA POWER 33kV TILAK MARG CKT (BAY-6)	19-07-14	20:25	TRIPPED MANUALLY DUE TO THEFT OF CONTROL CABLE
51	17-07-14	23:51	PRAGATI 220/66kV 160MVA Tx-II	18-07-14	01:30	TR. TRIPPED ON OLTC, 30A, BUCCHOLZ TRIP, 30D, 30B, OIL TEMP HIGH

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
52	17-07-14	23:51	PRAGATI 220/66kV 160MVA Tx-I	18-07-14	01:50	TR. TRIPPED ON 30C, WINDING TEMP, 30D, OLTC BUCHHOLZ TRIP, 86
53	17-07-14	23:51	220kV PRAGATI - SARITA VIHAR CKT-II	18-07-14	00:02	AT PRAGATI TRIPPED WITHOUT INDICATOIN AT SARITA VIHAR NO TRIPPING
54	18-07-14	00:59	220kV BAMNAULI - DIAL CKT-I	18-07-14	08:50	AT BAMNAULI CKT TRIPPED ON 186A&B AT DIAL NO TRIPPING
55	18-07-14	01:12	WAZIRABAD 220/66kV 100MVA Tx-II	18-07-14	08:05	TR. TRIPPED ON OLTC, BUCHHOLZ TRIP, LOW OIL LEVEL
56	18-07-14	01:12	WAZIRABAD 66/11kV, 20MVA Tx-III	18-07-14	08:53	TR. TRIPPED ON DIFFERENTIAL RELAY, 87Y, 87B, 87RYB, 86 RELAY
57	18-07-14	03:14	WAZIRPUR 220/33kV 100MVA Tx-II	18-07-14	10:05	TR. TRIPPED ON PRV OPERATED, 86 RELAY
58	18-07-14	04:10	INDRAPRASTHA POWER 33kV EXHIBITION GR-2 CKT (BAY-9)	18-07-14	20:05	MADE OFF AS THE CONTROL CABLE STOLEN BY THIEVES
59	20-07-14	05:48	LODHI RD 33/11kV, 20MVA Tx-II	20-07-14	13:46	11KV I/C-II TRIPPED ON E/F WITH BUS-I, HEAVY SMOKE OBSERVED ON 11KV BUS BAR
60	20-07-14	06:55	220kV WAZIRABAD - KASHMEREGATE CKT-I	20-07-14	07:09	AT WAZIRABAD CKT TRIPPED ON DIST PROT, ZONE -1 B PHASE AT KASHMIRI GATE NO TRIPPING
61	20-07-14	21:10	PATPARGANJ 33/11kV, 20MVA Tx	20-07-14	21:15	11KV I/C-I TRIPPED ON O/C (20MVA PR. TR.) 11KV RANI WELL FEEDER ALSO TRIPPED ON O/C, E/F.
62	21-07-14	14:21	ROHINI-II 220/66kV 160MVA Tx-I	21-07-14	15:08	TR. TRIPPED ON 86
63	21-07-14	14:21	220KVBAWANA- ROHINI CKT-II	21-07-14	14:33	AT ROHINI CKT. TRIPPED ON DIST PROT, B PHASE, 186A, 186B AT BAWANA NO TRIPPING
64	22-07-14	14:30	NARAINA 33kV 10MVAR CAP. BANK-I	22-07-14	15:12	CAPACITOR BANK TRIPPED ON 86
65	22-07-14	19:16	ROHINI-II 220/66kV 160MVA Tx-II	22-07-14	20:10	SPARK OBSERVED ON NEUTRAL CT OF 100MVA -II
66	23-07-14	01:38	220kV BAWANA-DSIIDC BAWANA CKT-I	23-07-14	02:28	AT BAWANA CKT TRIPPED ON 86, DIRECTIONAL E/F AT DSIDC BAWANA NO TRIPPING.
67	23-07-14	05:50	220KV WAZIRABAD - MANDOLA CKT-IV	23-07-14	17:20	AT WAZIRABAD CKT. TRIPPED ON R PHASE- B PHSE, Z-1, AT MANDOLA Z-1, DIST PROT, DISTANCE 5.038KM
68	23-07-14	19:05	220KV WAZIRABAD - MANDOLA CKT-IV	23-07-14	22:00	CKT MADE OFF DUE TO SPARKING OBSERVED ON RELAY PANEL AT WAZIRABAD.
69	24-07-14	10:10	SUBZI MANDI 33/11kV, 16MVA Tx-I	24-07-14	10:26	TR. TRIPPED ON AUTO RELAY, 30ABC, 86, 11KV I/C-I ALSO TRIPPED
70	27-07-14	07:30	220kV MEHRAULI - VASANT KUNJ CKT.- II	27-07-14	07:40	AT MEHRAULI CKT. TRIPPED ON DIST PROT AT VASANT KUNJ NO TRIPPING, THE TRIPPING OCCURED WHILE ARRANGING SHUTDOWN OF 220KV BTPS - MEHRAULI CKT. -II ALONGWITH 220KV BUS-I AT MEHRAULI.
71	27-07-14	09:13	220kV GAZIPUR - BTPS CKT	27-07-14	14:30	AT BTPS CKT. TRIPPED ON DIST PROT, DIST 16.9KM AT GAZIPUR NO TRIPPING
72	27-07-14	09:15	220KV GAZIPUR - MAHARANIBAGH CKT. -I	27-07-14	09:37	AT MAHARANI BAGH CKT. TRIPPED ON ZONE-2, DISTANCE 7.6KM AT GAZIPUR NO TRIPPING
73	27-07-14	09:15	220KV GAZIPUR - MAHARANIBAGH CKT. -II	27-07-14	10:06	AT MAHARANI BAGH CKT. TRIPPED ON E/F, ZONE-2, DIST PROT, AT GAZIPUR CKT. TRIPPED ON E/F
74	28-07-14	07:51	ELECTRIC LANE 220/33kV 100MVA Tx-I	28-07-14	18:33	TR. TRIPPED ON 86A, DIFFERENTIAL PROT, 87P, ABC RELAY 33KV I/C-I TRIPPED ON 86A, 86B
75	28-07-14	19:32	OKHLA 33kV ALAKNANDA CKT-II	28-07-14	20:20	CKT. TRIPPED WITHOUT INDICATION CB GAS PRESSURE FOUND LOW.
76	28-07-14	19:38	GOPALPUR 220/33kV 100MVA Tx-III	31-07-14	17:27	TR. TRIPPED ON DIFFERENTIAL, OIL LEAKAGE FROM Y PHASE LV SIDE BUSHING

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
77	29-07-14	05:50	PATPARGANJ 33/11kV, 16MVA Tx	29-07-14	18:55	TR. TRIPPED ON E/F, O/C R&Y PHASE , 86, 11KV FEEDER NATIONAL DAIRY, COMMERCIAL PRACTICE, DVB STAFF QTR, GANASH NAGAR ALSO AFFECTED
78	29-07-14	07:32	220KV GAZIPUR - MAHARANIBAGH CKT. -I	29-07-14	09:44	AT MAHARANI BAGH CKT. TRIPPED ON DIST PROT, DISTANCE 4.91KM, AT GAZIPUR NO TRIPPING
79	29-07-14	12:15	KASHMIRI GATE 33/11kV, 16MVA Tx	Contd.		TRIPPED MANUALLY AS SMOKE OBSERVED AND OIL LEAKAGE FROM THE MAIN TANK, GASKET OF INSPECTION PLATE OF MAIN TANK ALSO DAMAGED.
80	29-07-14	18:53	MUNDKA 400/220KV 315MVA ICT-III	Contd.		ICT TRIPPED ON DIFFERENTIAL RELAY
81	31-07-14	00:14	PRAGATI 220/66kV 160MVA Tx-I	31-07-14	00:37	TR. TRIPPED ON OLTC BUCH, HIGH WINDING TEMP.
82	31-07-14	00:14	PRAGATI 220/66kV 160MVA Tx-II	31-07-14	00:37	TR. TRIPPED ON 30A, BUCHOLZ, OLTC, OIL TEMP HIGH, 86, 86, HIGH WINDING TEMPRATURE
83	31-07-14	00:14	220kV PRAGATI - SARITA VIHAR CKT-II	31-07-14	01:02	AT PRAGATI TRIPPED ON R PHASE OVER CURRENT AT SARITA VIHAR NO TRIPPING
84	31-07-14	04:51	220kV PRAGATI - SARITA VIHAR CKT-II	31-07-14	05:07	AT PRAGATI TRIPPED ON 186, 186, R PHASE OVER CURRENT AT SARITA VIHAR NO TRIPPING
85	31-07-14	04:51	PRAGATI 220/66kV 160MVA Tx-II	31-07-14	05:23	TR. TRIPPED ON 30A BUCHLOZ, 30D, HIGH OIL & WINDING TEMP, 86, 86
86	31-07-14	04:51	PRAGATI 220/66kV 160MVA Tx-I	31-07-14	05:23	TR. TRIPPED ON 30B, HIGH OIL TEMP, 30C HIGH WINDING TEMP, 86, 86
87	31-07-14	11:43	220KVBAWANA- ROHINI CKT-II	31-07-14	12:54	AT ROHINI CKT. TRIPPED ON DIFFERENTIAL COMMUNICATION FAILURE, SOTF TRIP, AT BAWANA NO TRIPPING
88	31-07-14	11:43	ROHINI-II 220/66kV 160MVA Tx-I	31-07-14	12:54	TRANSFORMER TRIPPED ON AIR PRESSURE LOW
89	31-07-14	11:43	ROHINI-II 220/66kV 160MVA Tx-II	31-07-14	12:54	TR. TRIPPED WITH RELAY, 66KV I/C-II TRIPPED ON DIRECTIONAL E/F
90	31-07-14	12:50	GOPALPUR 33/11kV, 16MVA Tx-I	31-07-14	17:30	TR. TRIPPED WITHOUT INDICATION

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

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