DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

FEBRUARY 2014

1 **SALIENT FEATURES OF DELHI POWER SYSTEM**

Sr. No.	Features	FEBRUARY 2013	FEBRUARY 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	1118
	TOWMCL	16	16
	Total	2249	2682
2	**Maximum Unrestricted Demand (MW)**	**3590**	**3670**
	Date	01.02.2013	16.02.2014
	Time	09.59.52	10.36.32
3	**Peak Demand met (MW)**	**3590**	**3670**
	Date	01.02.2013	16.02.2014
	Time	09.59.52	10.36.32
4	Peak Availability (MW)	3514	3489
5	Shortage (-) / Surplus (+) in MW	(-) 76	(-) 181
6	Percentage Shortage (-) / Surplus (+)	(-) 2.12	(-) 4.93
7	Maximum Energy Consume in a day (Mus)	59.532	63.299
8	Energy Consumed during the month	**1536.498**	**1705.084**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.021	1.246
	BRPL	0.161	1.376
	BYPL	0.085	1.426
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.437
	Total due to Grid Restriction	**0.267**	**4.485**
B)	Due to Constraints in System in Mus		
	DTL	0.363	0.164
	NDPL	0.312	1.189
	BRPL	0.458	0.122
	BYPL	0.280	0.233
	NDMC	0.000	0.004
	MES	0.000	0.000
	Other Agencies	0.019	0.015
	Total	**1.432**	**1.727**
11	**Grand Total in Mus**	**1.699**	**6.212**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING FEBRUARY 2014

A) For the month of February 2014

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	5.932	1.181	4.751	83.66	61.694
2.	**GT**	84.316	2.329	81.987	75.34	51.195
3.	**PPCL**	196.638	4.782	191.856	98.15	19.233
4.	**BTPS**	325.624	27.917	297.707	102.65	133.153
5.	**Rithala**	0.000	0.072	-0.072	62.37	38.540
6.	**Bawana**	9.161	2.258	6.903	107.13	629.60
7.	**Towmcl**	7.347	1.425	5.922	--	0
	TOTAL	**629.018**	**39.964**	**589.054**	**--**	**933.415**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2014	Availability (%) for Feb 2014	PLF (%) for Feb 2014	Cumulative Generation in MUs upto Feb 2014 for the year 2013-14	Cumulative Availability in % upto Feb 2014 for the year 2013-14	Cumulative PLF in % upto Feb 2014 for the year 2013-14
RPH	135	4.751	83.66	5.99	305.782	65.57	32.42
GT	270	81.987	75.34	46.25	951.995	86.68	45.28
PPCL	330	191.856	98.15	89.21	2170.717	91.94	84.17
BTPS	705	297.707	102.65	71.07	3531.440	94.10	69.99
Rithala	108	-0.072	62.37	0.00	-1.060	83.54	0.04
Bawana	1118	6.903	107.13	0.00	619.151	93.68	9.13
Towmcl	16	5.922	--	68.33	82.467	--	--
TOTAL	**2682**	**589.054**	**--**	**--**	**7660.492**	**--**	**--**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2012

(A) RPH STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	03.04.13	18.35	03.04.13	19.45	Unit tripped due to drum level very low.
		04.04.13	08.55	04.04.13	09.45	Unit tripped due to drum level low.
		14.04.13	10.20	14.04.13	15.40	Unit desynchronised to attend the CW line leakage.
		19.04.13	08.25	19.04.13	16.40	Unit desynchronised to attend the Boiler window repairing.
		19.04.13	17.00	19.04.13	17.30	Unit tripped due to bay no. 20 tripped.
		03.05.13	20.00	05.05.13	03.30	Unit desynchronised to attend the Boiler tube leakage.
		05.05.13	11.40	05.05.13	13.40	Unit tripped due to drum level low.
		05.05.13	15.55	05.05.13	20.15	Dark out due to Reacter on bay no. 9 had been blasted.
		19.05.13	07.10	24.05.13	04.40	Unit desynchronised due to shortage of coal fuel and to attend the CW line leakage.
		25.05.13	01.50	25.05.13	03.20	Unit tripped due to Furnace pr. very high.
		01.06.13	12.40	01.06.13	13.55	Unit tripped due to drum level low.
		02.06.13	11.55	02.06.13	13.05	Unit tripped due to Furnace pr. very high.
		06.06.13	17.10	06.06.13	20.05	Dark out due to 22K 9F, unit tripped.
		16.06.13	18.35	19.06.13	13.50	Unit desynchronised as per system operation.
		21.06.13	22.50	24.06.13	14.50	Unit desynchronised to attend the Boiler tube leakage.
		02.07.13	12.55	02.07.13	14.25	Dark out due to grid disturbance.
		09.07.13	23.30	10.07.13	00.25	Unit tripped due to flame failure.
		10.07.13	00.40	10.07.13	03.40	Unit tripped due to ST-1 trip.
		10.07.13	04.10	10.07.13	04.35	Unit tripped due to furnace pressure high.
		10.07.13	04.40	15.07.13	12.05	Unit tripped due to furnace pressure high (suspected boiler tube leakage).
		16.07.13	11.00	22.07.13	00.05	Unit tripped due to furnace pressure very high.
		22.07.13	03.55	22.07.13	04.25	
		22.07.13	10.45	22.07.13	12.00	Dark out due to 220kv supply failure.
		23.07.13	19.15	01.08.13	23.00	Unit tripped on furnace pressure very high due to boiler tube leakage.
		02.08.13	10.00	02.08.13	10.50	Unit tripped due to flame failure
		03.08.13	10.55	03.08.13	12.35	Dark out due to grid disturbance
		03.08.13	12.45	03.08.13	13.05	Unit tripped due to drum level low
		03.08.13	13.15	03.08.13	13.45	Unit tripped due to turbine trip
		07.08.13	19.35	07.08.13	20.55	Unit tripped due to flame failure
		07.08.13	21.05	07.08.13	22.25	Ujnit tirpped due to drum level very low
		08.08.13	08.05	16.08.13	17.40	Stopped due to low demand and high frequency
		21.08.13	06.55	21.08.13	08.35	Unit tripped due to turbine trip
		22.08.13	02.15	22.08.13	03.00	Unit tripped on furnance pressure very high
		22.08.13	22.00	27.08.13	17.40	Unit tripped due to heavy steam leakage from turbine control valve
		11.09.13	03.23	12.09.13	15.15	Shortage of raw water
		16.09.13	05.05	16.09.13	12.19	Coal mill problem
		22.09.13	05.58	24.09.13	14.00	Stopped due to low demand and high frequency
		27.09.13	23.00	27.09.13	23.30	Furnance pressure high
		28.09.13	17.00	28.09.13	18.00	Flame failure
		28.09.13	18.10	28.09.13	18.35	Furnace pressure very high
		29.09.13	18.45	29.09.13	19.10	Flame failure
		29.09.13	23.20	07.10.13	18.15	Desynchronized to attend main stream temp; control line leakage
		07.10.13	20.50	07.10.13	21.25	Furnace pressure very high

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	10.10.13	10.35	14.10.13	10.40	Boiler tube leakage
		25.10.13	23.15	28.10.13	10.25	Stopped due to less demand and high frequency
		28.10.13	10.45	28.10.13	11.15	Drum level high
		04.11.13	12:00	28.02.14	23.59	Stopped due to low demend

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	03.04.13	04.10	03.04.13	05.35	Unit tripped due to turbine trip.
		05.04.13	20.00	06.04.13	04.05	Unit desynchronised to attend the economiser tube leakage.
		14.04.13	10.10	14.04.13	18.15	Unit desynchronised to attend the CW line leakage.
		04.05.13	09.20	06.05.13	03.25	Unit desynchronised to attend the Economiser tube leakage.
		11.05.13	17.15	11.05.13	18.00	Unit tripped due to turbine trip.
		11.05.13	23.20	11.05.13	23.45	
		19.05.13	07.15	19.05.13	20.55	Unit desynchronised to attend the CW line leakage.
		24.05.13	05.50	01.06.13	00.25	Unit desynchronised due to shortage of coal fuel.
		01.06.13	19.20	07.06.13	14.20	Unit tripped due to Boiler tube leakage.
		11.06.13	07.15	11.06.13	08.30	Unit tripped due to birdage, bay No. 1 to 9 tripped.
		18.06.13	14.20	18.06.13	15.00	Unit tripped due to turbine trip.
		02.07.13	12.55	02.07.13	14.10	Dark out due to grid disturbance.
		02.07.13	23.55	03.07.13	00.55	Unit tripped due to loss of fuel.
		10.07.13	00.45	10.07.13	02.00	Unit tripped due to emergency board supply failure.
		10.07.13	10.45	10.07.13	11.55	Unit tripped due to furnace pressure very high.
		10.07.13	13.50	10.07.13	17.10	Unit desynchronised due to furnace pressure hunting.
		11.07.13	09.20	12.07.13	19.25	Unit desynchronised, furnace disturbance due to wet coal.
		14.07.13	15.35	14.07.13	16.10	Unit tripped due to furnace pressure very high.
		15.07.13	03.45	15.07.13	04.45	Unit tripped due to furnace pressure high.
		19.07.13	07.50	19.07.13	08.20	Unit tripped due to condensor vaccum low.
		21.07.13	03.55	23.07.13	22.20	Unit desynchronised due to no coal flow.
		24.07.13	17.40	02.08.13	13.20	Unit desynchronised to attend the leakage from ACW line.
		03.08.13	10.55	03.08.13	12.10	Dark out due to grid disturbance
		16.08.13	19.30	23.08.13	22.20	Stopped due to low demand and high frequency
		26.08.13	12.15	26.08.13	13.20	Dark out due to grid disturbance
		28.08.13	22.15	13.09.13	16.23	Unit desynchronised to attend the boiler tube leakage / coal mill problem
		26.09.13	09.55	21.10.13	11.30	Boiler tube leakage
		25.10.13	23.15	26.10.13	00.50	Electrical fault
		30.10.13	16.10	24.02.14	08.14	Stopped due to low demand and high frequency
		24.02.14	16.16	24.02.14	20.11	MS-2 valve closed
		28.02.14	14.55	28.02.14	16.09	Turbine tripped

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**30**	01.04.13	0:00	01-04-13	5:45	Stopped due to low demand and high frequency
		03.04.13	16:30	10-04-13	11:25	
		18.04.13	23:20	19-04-13	12:01	Machine stopped to rectify the faulty Controller
		19.04.13	12:15	22-04-13	5:47	Stopped due to low demand and high frequency
		29.04.13	11:31	29-04-13	23:37	
		07.05.13	1:45	13-05-13	14:25	
		13.05.13	16:48	13-05-13	17:10	Machine came on FSNL during charging of 160 MVA Trf.
		18.05.13	13:25	21-05-13	21:10	Stopped due to low demand and high frequency
		30.05.13	21:45	17-06-13	22:55	
		17.06.13	23:15	18-06-13	20:15	
		28.06.13	10:52	28-06-13	22:00	
		28.06.13	22:00	29-06-13	17:00	Machine not available due to problem in Diesel Engine
		29.06.13	17:00	01-07-13	18:05	Stopped due to low demand and high frequency
		01.07.13	21:35	02-07-13	17:45	
		02.07.13	17:45	03-07-13	11:45	Machine could not be started due to problem in EOP
		03.07.13	11:45	08-07-13	8:55	Stopped due to low demand and high frequency
		12.07.13	11:50	15-07-13	8:00	
		15.07.13	9:10	15-07-13	10:40	
		17.07.13	11:20	18-07-13	20:35	
		20.07.13	12:05	27-07-13	21:30	
		27-07-13	21:40	28-07-13	0:12	Machine could not be synchronised due to ignition pressure high trip.
		29-07-13	13:55	29-07-13	15:10	Machine tripped due to GCV reference not followed and loss of flame
		31-07-13	10:40	31-07-13	11:27	Machine came on FSNL due to grid disturbance
		31-07-13	17:30	01.08.13	23:42	Stopped due to low demand and high frequency
		02.08.13	1:40	02.08.13	11:45	
		02.08.13	12:40	04.08.13	10:41	
		06.08.13	15:30	08.08.13	20:41	
		09.08.13	1:20	28.08.13	0:30	
		28.08.13	0:30	28.08.13	3:00	Machine taken out from DC due to leakage in ACW line.
		28.08.13	3:00	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:00	due to leakage in ACW line,GT# 1 not available
		28.08.13	14:00	05.09.13	10:53	Stopped due to low demand and high frequency
		06.09.13	02:17	12.09.13	21:27	
		13.09.13	18:18	07.10.13	12:20	
		11.10.13	09:37	14.10.13	11:15	
		15.10.13	03:02	16.10.13	13:44	
		23.10.13	13:15	15.02.14	15.01	
		17.02.14	16.58	27.02.14	13.37	
		28.02.14	18.06	28.02.14	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	01-04-13	0:00	01-04-13	5:35	Stopped due to low demand and high frequency
		03-04-13	12:02	09-04-13	5:50	
		10-04-13	17:25	11-04-13	11:45	
		28-04-13	21:40	28-04-13	23:45	
		07-05-13	16:30	13-05-13	17:20	
		17-05-13	16:20	28-06-13	22:00	
		28-06-13	22:00	29-06-13	17:00	Machine not available due to problem in Gas Valve
		29-06-13	17:00	02-07-13	17:45	Stopped due to low demand and high frequency
		02-07-13	17:45	03-07-13	13:15	Machine could not be started due to problem in EOP
		03-07-13	13:15	28.08.13	0:30	Stopped due to low demand and high frequency
		28.08.13	0:30	28.08.13	3:00	Machine taken out from DC due to leakage in ACW line.
		28.08.13	3:00	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:00	due to leakage in ACW line,GT# 2 not available
		28.08.13	14:00	01.02.14	17.00	Stopped due to low demand and high frequency
		01.02.14	17.00	28.02.14	23.59	Machine stopped due to high viberation

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	01-04-13	0:00	01-04-13	7:30	Stopped due to low demand and high frequency
		17-04-13	10:40	22-04-13	8:10	
		28-04-13	21:46	29-04-13	10:55	
		04-05-13	0:05	06-05-13	14:00	
		07-05-13	1:50	07-05-13	12:00	
		11-05-13	19:30	14-05-13	17:15	
		14-05-13	18:23	14-05-13	21:00	
		14-05-13	21:00	17-05-13	15:45	
		06-06-13	17:04	06-06-13	19:00	Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end.
		06-06-13	22:47	07-06-13	11:55	Stopped due to low demand and high frequency
		09-06-13	8:09	09-06-13	9:50	Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed .
		11-06-13	12:45	12-06-13	7:56	Stopped due to low demand and high frequency
		14-06-13	8:45	17-06-13	20:50	
		23-06-13	23:40	24-06-13	8:16	
		28-06-13	9:40	28-06-13	21:13	
		30-06-13	9:18	01-07-13	17:23	
		02-07-13	12:44	02-07-13	13:40	Machine came on FSNL due to grid disturbance
		12-07-13	14:25	12-07-13	21:30	Stopped due to low demand and high frequency
		11-07-13	11:30	18-07-13	20:40	
		20-07-13	12:06	20-07-13	13:22	
		22-07-13	10:32	22-07-13	10:46	Machine came on FSNL due to grid disturbance
		22-07-13	11:20	22-07-13	12:55	Machine taken on FSNL due to voltage problem,160 MVA Tx. Not synchronised
		27-07-13	11:05	27-07-13	21:45	Stopped due to low demand and high frequency
		28-07-13	20:05	30-07-13	20:53	
		31-07-13	10:40	31-07-13	15:55	Machine tripped due to grid disturbance

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	03.08.13	10:56	03.08.13	11:23	Machine came on FSNL due to grid disturbance
		03.08.13	11:23	05.08.13	19:30	Stopped due to low demand and high frequency
		06.08.13	15:34	07.08.13	15:40	
		09.08.13	22:15	26.08.13	9:15	
		26.08.13	12:12	26.08.13	12:58	machine tripped due to Grid disturbance
		28.08.13	0:30	28.08.13	2:50	due to leakage in ACW line,GT not available
		08.09.13	12:32	11.09.13	11:55	Stopped due to low demand and high frequency
		12.09.13	12:45	12.09.13	15:06	
		13.09.13	09:15	13.09.13	17:05	
		21.09.13	14:46	24.09.13	08:48	
		02.10.13	00:32	06.10.13	04:55	
		02.11.13	09:20	02.11.13	09:50	Machine tripped due to Exhaust overtemperature trip
		02.11.13	09:50	02.11.13	17:25	Machine not available due to P2 pressure high .(about 23 kg.)
		13.11.13	05:05	13.11.13	06:35	Machine tripped due to Exhaust overtemperature trip
		23.11.13	13:25	23.11.13	17:10	Tripped to change Air Filter.
		2.12.13	23:56	3.12.13	00:22	machine tripped on Exhaust Over temp.High
		16.12.13	02:47	16.12.13	03:40	machine Tripped on high TAD
		16.12.13	04:41	16.12.13	08:00	machine Tripped on high TAD.
		16.12.13	08:00	20.12.13	15:30	Stopped due to low demand and high frequency
		27.12.13	14:29	27.12.13	18:12	
		07.01.14	21:50	08.01.14	00:30	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		08.01.14	10:10	08.01.14	11:12	machine tripped due to battery undervoltage
		12.01.14	00:00	12.01.14	11:15	Stopped due to low demand and high frequency
		16.01.14	06:45	16.01.14	07:10	Machine came on FSNL as 220 KV Ckt I & II from IP to Parpargung tripped
		23.01.14	14:58	26.01.14	18:30	Machine tripped on electrical normal shut down and Rotating diode earth fault alarm on Protection panel.
		26.01.14	18:30	27.01.14	05:50	Stopped due to low demand and high frequency
		14.02.14	04.20	14.02.14	20.15	
		20.02.14	00.06	20.02.14	18.15	
		21.02.14	16.23	21.02.14	17.51	Machine tripped due to loss of excitation
		21.02.14	17.51	27.02.14	14.36	Stopped due to low demand and high frequency
		27.02.14	18.05	28.02.14	15.55	
		28.02.14	22.16	28.02.14	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	01-04-13	0:00	03-04-13	15:50	Stopped due to low demand and high frequency
		17-04-13	10:40	27-04-13	3:15	
		04-05-13	0:02	06-05-13	14:13	
		07-05-13	13:20	07-05-13	15:55	
		11-05-13	19:32	14-05-13	9:58	
		21-05-13	13:10	21-05-13	17:10	
		30-05-13	3:05	05-06-13	11:58	
		06-06-13	17:04	06-06-13	17:15	Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end.
		09-06-13	8:09	09-06-13	9:40	Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed .
		11-06-13	12:45	12-06-13	7:54	Stopped due to low demand and high frequency
		14-06-13	10:20	17-06-13	23:59	
		18-06-13	0:00	19-06-13	21:45	machine not available due to non availability of 66 KV breaker.
		19-06-13	21:45	21-06-13	9:22	Machine not taken on bar due to less schedule from SLDC.
		24-06-13	14:46	24-06-13	15:30	Stopped due to low demand and high frequency
		28-06-13	9:30	28-06-13	22:00	
		28-06-13	22:00	29-06-13	12:10	machine not available due to non availability of AC AOP
		02-07-13	12:44	02-07-13	13:05	Machine came on FSNL due to grid disturbance
		17-07-13	11:30	18-07-13	23:27	Stopped due to low demand and high frequency
		22-07-13	10:32	22-07-13	11:02	Machine came on FSNL due to grid disturbance
		24-07-13	10:10	01.08.13	22:55	Stopped due to low demand and high frequency
		03.08.13	10:56	03.08.13	11:58	Machine came on FSNL due to grid disturbance
		04.08.13	12:50	05.08.13	20:05	Stopped due to low demand and high frequency
		10.08.13	13:32	26.08.13	9:10	
		26.08.13	12:12	26.08.13	13:05	Machine came on FSNL due to grid disturbance
		28.08.13	0:32	28.08.13	3:00	due to leakage in ACW line,GT not available
		28.08.13	3:00	28.08.13	5:12	Stopped due to low demand and high frequency
		08.09.13	12:34	11.09.13	11:56	
		12.09.13	12:45	12.09.13	15:05	
		15.09.13	12:37	15.09.13	20:02	
		17.09.13	21:30	19.09.13	09:27	
		21.09.13	14:48	24.09.13	07:40	
		03.10.13	16:55	06.10.13	10:05	
		11.10.13	08:36	11.10.13	10:30	Machine tripped on high exhaust temperature
		18.11.13	14.05	18.11.13	17.45	Tripped to clean air filter
		16.12.13	10.15	20.12.13	19.56	Stopped due to low demand and high frequency
		04.01.14	00:05	04.01.14	12:55	
		07.01.14	21:50	08.01.14	00:20	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		16.01.14	06:45	16.01.14	07:15	Machine came on FSNL as 220 KV Ckt I & II from IP to Parpargung tripped
		16.01.14	07:22	16.01.14	08:24	machine tripped on loss of exciatation.
		23.01.14	06:05	23.01.14	16:00	Stopped due to low demand and high frequency
		20.02.14	18.56	27.02.14	15.38	
		27.02.14	19.04	28.02.14	12.26	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	28-04-13	9:34	06-05-13	13:25	Stopped due to low demand and high frequency
		13-05-13	16:48	14-05-13	9:27	
		14-05-13	9:47	18-05-13	10:56	
		24-05-13	18:52	25-05-13	9:55	Tripped due to R-communication link failure alarm & master protective alarm appeared.
		06-06-13	17:04	06-06-13	17:48	Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end.
		09-06-13	8:09	09-06-13	8:54	Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed .
		09-06-13	8:54	10-06-13	7:47	Machine not taken on load due to low schedule from SLDC
		17-06-13	12:17	17-06-13	14:00	Machine tripped on Bus under Voltage alarm as 66 KV bus became dead due to tripping of 160 MVA Tx-I & II .
		18-06-13	13:53	18-06-13	15:45	Machine tripped at IGV Control trouble and Fire Protection Alarm.
		02-07-13	12:44	02-07-13	13:08	Machine came on FSNL due to grid disturbance
		06-07-13	10:55	08-07-13	9:15	Stopped due to low demand and high frequency
		08-07-13	11:32	11-07-13	23:00	
		11-07-13	23:00	12-07-13	10:29	Machine could not be synchronised due to Overall diff. opearted problem
		12-07-13	20:42	15-07-13	8:55	Stopped due to low demand and high frequency
		16-07-13	8:29	16-07-13	9:55	Machine tripped on electrical trouble normal shut down (Due to MVR problem)
		17-07-13	3:00	17-07-13	5:00	
		20-07-13	13:33	23-07-13	21:15	Stopped due to low demand and high frequency
		31-07-13	10:40	31-07-13	10:50	Machine came on FSNL due to grid disturbance
		03.08.13	10:56	03.08.13	11:10	Machine came on FSNL due to grid disturbance
		07.08.13	14:45	08.08.13	21:05	Stopped due to low demand and high frequency
		26.07.13	12:12	26.08.13	12:38	Machine came on FSNL due to grid disturbance
		26.08.13	20:00	27.08.13	11:10	Stopped due to low demand and high frequency
		28.08.13	0:25	28.08.13	2:55	due to leakage in ACW line,GT not available
		30.08.13	22:15	04.09.13	15:00	Stopped due to low demand and high frequency
		02.10.13	00:30	03.10.13	15:15	
		05.10.13	21:14	05.10.13	22:05	Machine tripped due to Grid disturbance
		06.10.13	10:08	07.10.13	07:45	Stopped due to low demand and high frequency
		07.10.13	14:03	16.12.13	10.45	
		23.12.13	12.16	01.1.14	09:35	
		04.01.14	13:46	06.01.14	05:21	
		07.01.14	21:50	07.01.14	23:20	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		16.01.14	06:45	16.01.14	07:11	Machine came on FSNL as 220 KV Ckt I & II from IP to Parpargung tripped
		20.01.14	11:16	20.01.14	15:22	Stopped due to low demand and high frequency.
		12.02.14	00.02	17.02.14	16.20	
		27.02.14	12.00	27.02.14	20.00	Machine tripped due to grid disturbance
		27.02.14	20.00	28.02.14	15.45	Machine could not be takeno on load due to problem in diesel engine
		28.02.14	20.45	28.02.14	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	10-04-13	12:45	10-04-13	16:30	Stopped due to low demand and high frequency
		21-04-13	12:42	22-04-13	10:15	
		28-04-13	9:32	30-04-13	0:40	
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	10:38	Stopped due to low demand and high frequency
		14-05-13	18:00	21-05-13	11:05	
		29-05-13	10:42	29-05-13	12:30	Oil temp gauge which is mounted on T/F was founded tilted by at least 30 which leads to maloperation of mercury switch and relay 26 TP-I & 26TP-II operated causing the machine tripped on Electrical trouable normal shutdown
		06-06-13	17:04	06-06-13	17:52	Machine came on FSNl due to tripping of 160 MVA Tr-I & II at IP Extension end.
		06-06-13	22:50	07-06-13	12:04	Stopped due to low demand and high frequency
		09-06-13	8:09	09-06-13	8:54	Machine came on FSNL due to tripping of 160 MVA Tr-I & II Buchholtz relay operated after that tripped on Lube oil temperature high as the auxiliary supply failed .
		09-06-13	8:54	10-06-13	7:52	Machine not taken on load due to low schedule from SLDC
		14-06-13	8:50	14-06-13	10:05	Stopped due to low demand and high frequency
		17-06-13	12:17	17-06-13	17:10	Machine tripped on Reverse Power relay operated as 66 KV bus become dead due to tripping of 160 MVA transformer I & II.
		30-06-13	9:07	01-07-13	17:25	Stopped due to low demand and high frequency
		02-07-13	12:44	02-07-13	13:10	Machine came on FSNL due to grid disturbance
		06-07-13	10:50	08-07-13	9:01	Stopped due to low demand and high frequency
		08-07-13	11:37	11-07-13	19:50	
		12-07-13	14:25	15-07-13	6:24	
		20-07-13	13:30	24-07-13	9:25	
		31-07-13	10:40	31-07-13	11:36	Machine came on FSNL due to grid disturbance
		03.08.13	10:56	03.08.13	11:15	Machine came on FSNL due to grid disturbance
		07.08.13	16:30	08.08.13	20:47	Stopped due to low demand and high frequency
		09.08.13	22:15	10.08.13	12:30	
		26.08.13	12:12	26.08.13	12:18	Machine came on FSNL due to grid disturbance
		26.08.13	19:20	27.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	0:26	28.08.13	0:30	due to leakage in ACW line,GT not available
		28.08.13	0:30	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:00	Machine not avalable due to Gas Valve leakage
		28.08.13	14:00	04.09.13	15:15	Stopped due to low demand and high frequency
		17.09.13	21:31	19.09.13	09:30	
		05.10.13	21:14	05.10.13	23:02	Machine tripped due to Grid disturbance
		06.10.13	05:20	08.10.13	07:49	Stopped due to low demand and high frequency
		07.10.13	13:03	31.10.13	23:59	
		1.11.13	00:00	2.11.13	08:32	
		2.11.13	12:55	2.11.13	16:35	
		2.11.13	18:45	16.12.13	07.55	
		23.12.13	12.17	01.01.14	10:15	
		04.01.14	00:05	06.01.14	05:21	
		07.01.14	21:50	08.01.14	01:40	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		16.01.14	06:45	16.01.14	07:17	Machine came on FSNL as 220 KV Ckt I & II from IP to Parpargung tripped
		16.01.14	07:25	16.01.14	08:25	Machine tripped on loss of exciatation.
		31.01.14	20:30	01.02.14	15.46	Stopped due to low demand and high frequency.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	11.02.14	20.20	14.02.14	20.15	Stopped due to low demand and high frequency.
		14.02.14	20.15	15.02.14	14.00	Diesel engine speed could not be increased after 1200RPM so machine could not be taken on load
		15.02.14	14.00	17.02.14	11.02	Stopped due to low demand and high frequency.
		20.02.14	00.04	21.02.14	17.51	
		27.02.14	12.00	27.02.14	17.04	Machine tripped due to grid disturbance
		28.02.14	15.15	28.02.14	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-1	30	01-04-13	0:00	01-04-13	9:15	Stopped due to low demand and high frequency
		01-04-13	9:30	01-04-13	11:10	Machine stopped due to inspection of high Vibration
		03-04-13	16:30	09-04-13	8:25	Stopped due to low demand and high frequency
		29-04-13	11:31	30-04-13	2:05	
		07-05-13	16:30	13-05-13	19:15	
		18-05-13	13:25	22-05-13	0:10	
		30-05-13	21:45	18-06-13	23:54	
		28-06-13	10:52	28-06-13	22:00	
		28-06-13	22:00	29-06-13	17:00	Machine not available due to Non availability of GTs
		29-06-13	17:00	01-07-13	21:00	Stopped due to low demand and high frequency
		01-07-13	21:00	01-07-13	23:59	Machine not available due to problem in both BFPs.
		02-07-13	0:00	02-07-13	17:45	Stopped due to low demand and high frequency
		02-07-13	17:45	03-07-13	11:45	Macine not available due to non availability of GTs.
		03-07-13	13:15	08-07-13	10:15	Stopped due to low demand and high frequency
		12-07-13	11:50	15-07-13	13:00	
		17-07-13	11:25	18-07-13	23:15	
		20-07-13	12:10	27-07-13	21:30	
		27-07-13	21:30	28-07-13	0:12	
		28-07-13	0:12	28-07-13	1:55	
		29-07-13	13:55	29-07-13	16:00	Tripped due to tripping of GT#1
		31-07-13	10:40	31-07-13	13:55	Machine tripped due to grid disturbance
		31-07-13	17:30	02.08.13	13:15	Stopped due to low demand and high frequency
		02.08.13	13:15	02.08.13	18:15	Due to oil leakage from Turbine side machine taken under shut down by M-II
		02.08.13	18:15	04.08.13	12:45	Stopped due to low demand and high frequency
		06.08.13	15:29	08.08.13	22:40	
		09.08.13	1:20	25.08.13	23:59	
		28.08.13	0:30	28.08.13	3:00	Machine not available due to Non availability of GT#1 and 2
		28.08.13	3:00	28.08.13	11:45	Stopped due to low demand and high frequency
		28.08.13	11:45	28.08.13	14:10	due to leakage in ACW line,GT# 1 and 2 not available
		28.08.13	14:00	05.09.13	15:45	Stopped due to low demand and high frequency
		06.09.13	02:13	12.09.13	22:30	
		13.09.13	18:18	07.10.13	17:10	
		10.10.13	12:12	10.10.13	13:48	machine stopped to carry out C&I work
		11.10.13	09:37	14.10.13	13:58	Stopped due to low demand and high frequency
		14.10.13	21:50	16.10.13	16:58	Machine not available due to PROBLEM IN CONTROL VALVE
		23.10.13	23:15	11.02.14	20.07	Stopped due to low demand and high frequency
		17.02.14	16.58	27.02.14	21.02	
		28.02.14	18.06	28.02.14	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	**30**	01.04.13	0:00	01.04.13	11:25	Stopped due to low demand and high frequency
		16.04.13	10:40	22.04.13	11:45	
		23.04.13	12:14	23.04.13	13:09	Machine tripped due to malfunctioning of MS-14 Valve
		27.04.13	5:30	27.04.13	6:15	Machine tripped in the jerk.
		28.04.13	21:46	29.04.13	11:30	Stopped due to low demand and high frequency
		04.05.13	0:02	06.05.13	17:05	
		11.05.13	19:30	14.05.13	13:57	
		19.05.13	1:25	19.05.13	3:05	Machine Tripped on Exhaust pressure high.
		05.06.13	1:01	05.06.13	2:21	Tripped due to sudden drop in vaccum without appearing alarm in annunciation pannel.
		06.06.13	17:04	06.06.13	18:55	Machine tripped as the GT#3 & 4 came on FSNL due to tripping of 160 MVA Tx-I & II at IP Extn end.
		09.06.13	8:09	09.06.13	11:52	Machine tripped as corresponding GT came on FSNL due to tripping of 160 MVA Tr-I & II on Buchholtz relay operated .
		10.06.13	11:42	10.06.13	12:50	Machine stopped to attend
		11.06.13	12:45	12.06.13	10:35	Stopped due to low demand and high frequency
		14.06.13	8:45	17.06.13	23:45	
		23.06.13	21:35	23.06.13	23:20	Machine tripped on LLVT tank v. High Alarm
		28.06.13	9:40	28.06.13	23:15	Stopped due to low demand and high frequency
		02.07.13	12:44	02.07.13	14:25	Machine tripped due to grid disturbance.
		17.07.13	11:35	18.07.13	23:20	Stopped due to low demand and high frequency
		22.07.13	9:35	22.07.13	12:40	Machine tripped due to grid disturbance.
		27.07.13	11:07	27.07.13	23:15	Stopped due to low demand and high frequency
		28.07.13	20:07	31.07.13	3:00	
		31.07.13	10:40	31.07.13	17:24	Machine tripped due to grid disturbance.
		03.08.13	10:56	03.08.13	13:07	machine tripped due to Grid disturbance
		04.08.13	12:50	05.08.13	21:35	Stopped due to low demand and high frequency
		10.08.13	13:32	26.08.13	18:39	
		28.08.13	0:32	28.08.13	3:00	Machine not available due to Non availability of GT#3 and 4
		28.08.13	3:00	28.08.13	4:45	Stopped due to low demand and high frequency
		08.09.13	12:37	11.09.13	14:15	
		13.09.13	09:15	13.09.13	11:13	
		21.09.13	14:48	24.09.13	10:20	
		03.10.13	16:55	06.10.13	09:34	
		16.12.13	10.15	20.12.13	21.05	
		07.01.14	21:50	08.01.14	03:55	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		16.01.14	06:45	16.01.14	08:58	Machine Tripped as both GT 3 & 4 came on FSNL due to Grid disturbance
		23.01.14	14:58	23.01.14	17:40	Machine tripped due to tripping of GT# 3.
		21.02.14	17.51	27.02.14	20.00	Stopped due to low demand and high frequency.
		27.02.14	20.00	28.02.14	15.05	Machine could not be taken on load due to Problem in ESV

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	30	05-04-13	17:05	05-04-13	18:20	Machine stopped mannualy to attend oil Leakage from Secondary oil Pressure line
		28-04-13	9:34	30-04-13	4:25	Stopped due to low demand and high frequency
		03-05-13	17:41	03-05-13	19:04	Machine stopped due to problem in drum level indication and level problem.
		13-05-13	13:00	13-05-13	16:48	Tripped due to heavy jerk observed in control room.
		13-05-13	16:48	14-05-13	13:50	Stopped due to low demand and high frequency
		14-05-13	18:00	18-05-13	13:05	
		03-06-13	9:22	03-06-13	10:07	Machine tripped on Hot well very high alarm as the Control valve CD-34 left the auto and closed. Another Stream CD-37 tried to be taken into service, in the mean time machine tripped on hot well high alarm.
		06-06-13	17:04	06-06-13	18:30	Machine tripped as the GT#5 & 6 came on FSNL due to tripping of 160 MVA Tx-I & II at IP Extn end.
		09-06-13	8:09	09-06-13	8:54	Machine tripped as corresponding GT came on FSNL due to tripping of 160 MVA Tr-I & II on Buchholtz relay operated .
		09-06-13	8:54	10-06-13	10:14	Machine not taken on load due to low schedule from SLDC
		15-06-13	1:58	15-06-13	2:58	Tripped due to LLVT tank level high.
		17-06-13	12:17	17-06-13	15:12	Machine tripped due to both GTs tripped due to Tripping of 160 MVA Tx.
		02-07-13	12:44	02-07-13	14:35	Machine tripped due to grid disturbance.
		06-07-13	10:55	08-07-13	10:15	Stopped due to low demand and high frequency
		08-07-13	10:15	11-07-13	23:07	Machine stopped to attend oil leakage from Oil catcher.
		12-07-13	20:42	15-07-13	8:40	Stopped due to low demand and high frequency
		20-07-13	12:37	20-07-13	13:33	Machine tripped manually due to stucking of MS-14 valve and not opearting of MS-11 and MS-13 valve.
		20-07-13	13:33	24-07-13	2:05	Stopped due to low demand and high frequency
		31-07-13	10:40	31-07-13	12:27	Machine tripped due to grid disturbance.
		03.08.13	10:56	03.08.13	12:02	Machine tripped due to Grid disturbance
		07.08.13	16:32	09.08.13	1:12	Stopped due to low demand and high frequency
		17.08.13	11:48	17.08.13	12:45	All the parameters of Turbovisiory and Electronic governor disappeared resulting tripping of steam turbine.
		26.08.13	12:12	26.08.13	13:57	Machine tripped due to Grid disturbance
		26.08.13	18:24	27.08.13	13:48	Stopped due to low demand and high frequency
		28.08.13	0:30	28.08.13	3:00	Machine not available due to Non availability of GT#5 and 6
		28.08.13	3:00	28.08.13	6:30	Stopped due to low demand and high frequency
		30.08.13	22:18	04.09.13	18:00	
		05.10.13	21:14	07.10.13	12:00	Machine tripped due to Grid disturbance and not taken on load due to less demand
		07.10.13	12:00	02.11.13	23:59	Machine not available due to problem in control valve
		02.11.13	18.50	16.12.13	10.59	Stopped due to low demand and high frequency
		23.12.13	12.17	01.01.14	12:30	
		04.01.14	13:50	06.01.14	07:55	Machine stopped as per SLDC message
		07.01.14	21:50	08.01.14	01:58	Due to bursting of PT of SL-1 ckt.machine tripped due to grid disturbance
		12.01.14	13:29	12.01.14	14:24	Machine tripped on False alarm appeared on BCS desk, i.e. Emergency push button Operated.All parameters were normal
		16.01.14	06:45	16.01.14	09:17	Machine Tripped as both GT 3 & 4 came on FSNL due to Grid disturbance
		21.01.14	20:30	21.01.14	21:43	Failure of Communication Module 70BK02 for CII02 Station
		21.01.14	21:53	21.01.14	22:21	Class 'A" (Relay 86GA1& timer for 3242A)
		12.02.14	00.02	13.02.14	23.59	Machine stopped to attend various leakages
		14.02.14	00.00	14.02.14	20.15	Stopped due to low demand and high frequency.
		14.02.14	20.15	15.02.14	14.00	Machine could not be taken on load due to misc. problem
		15.02.14	14.00	17.02.14	15.35	Stopped due to low demand and high frequency.
		27.02.14	12.00	27.02.14	20.42	Machine tripped due to grid disturbance
		28.02.14	15.17	28.02.14	23.59	Stopped due to low demand and high frequency.

(C) PRAGATI STATION

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	23.05.13	14.29	23.05.13	14.56	Tripped due to Gas Fuel Pr. Low by GAIL
		15.06.13	21.55	17.06.13	9.00	No schedule to run GT#1 on Open Cycle.
		17.06.13	9.00	24.06.13	0.26	Tripped on internal fualt
		25.06.13	22.00	26.06.13	2.00	
		26.06.13	2.00	26.06.13	13.42	No schedule of GT#1 in OC due to low demand, HRSG#1 not available-FW104 stuck
		09.07.13	19.03	09.07.13	19.50	Tripped on internal fualt
		22.07.13	10.43	22.07.13	12.26	Tripped due to Grid Distrubance
		23.07.13	16.28	23.07.13	19.29	Tripped on internal fualt
		03.09.13	13.10	03.09.13	14.14	
		28.09.13	06.01	29.09.13	16.30	Stopped to attend generation winding temprature.
		14.10.13	12.22	14.10.13	12.49	Tripped on internal fualt
		17.10.13	12.39	17.10.13	13.47	
		16.12.13	09.59	16.12.13	19:37	Stopped to replace Air Filters of G.T. #1
		06.01.14	07.26	06.01.14	10.20	Tripped due to 125V DC earth fault
		16.01.14	08.28	16.01.14	10.56	Tripped due to grid disturbance
		25.02.14	12.00	26.02.14	19.30	Stopped due to Boroscopic Inspection

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	21.04.13	8.15	21.04.13	18.15	Stopped by DTL to attend hot spot.
		21.04.13	18.15	23.04.13	6.31	Tripped on internal fualt
		26.04.13	6.45	26.04.13	8.37	
		14.05.13	13.28	14.05.13	14.13	
		06.06.13	17.10	06.06.13	18.05	Tripped due to Grid Distrubance
		01.07.13	16.02	01.07.13	17.40	Tripped on internal fualt
		02.07.13	12.54	02.07.13	13.55	Tripped due to Grid Distrubance
		08.07.13	11.37	08.07.13	12.48	Tripped on internal fualt
		22.07.13	10.43	22.07.13	11.52	Tripped due to Grid Distrubance
		03.08.13	10.57	03.08.13	11.08	Tripped due to Grid Distrubance
		15.08.13	10.48	16.08.13	16.31	Stopped due to low demand and high frequency
		26.08.13	12.15	26.08.13	12.26	Tripped due to Grid Distrubance
		28.08.13	6.07	29.08.13	8.53	Stopped due to low demand and high frequency
		29.08.13	20.40	29.08.13	22.30	Tripped on internal fualt
		24.09.13	02.34	24.09.13	09.44	Tripped due to grid disturbance
		05.10.13	21.17	05.10.13	22.05	
		15.10.13	13.06	19.10.13	12.19	Tripped on internal fualt
		17.12.13	0248	17.12.13	18.13	Stopped to replace Air Filters of G.T. #1
		06.01.14	07.13	10.01.14	12.10	G.T.-#2 unloaded and tripped due to fire in load compartment
		16.01.14	06.56	16.01.14	07.18	Tripped ;due to grid disturbance
		17.01.14	21.58	21.01.14	12.52	Stopped for insptection of exhaust compartment by BGGTSs engineers

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	17.04.13	18.37	17.04.13	19.52	Tripped on internal fualt
		21.04.13	11.44	21.04.13	14.15	
		21.04.13	14.15	21.04.13	18.36	Shut down contineued by DTL to attend hot spot.
		06.06.13	17.10	06.06.13	18.50	Tripped due to Grid Distrubance
		02.07.13	12.54	02.07.13	15.02	
		09.07.13	19.03	09.07.13	20.15	Tripped on internal fualt
		22.07.13	10.43	22.07.13	15.53	Tripped due to Grid Distrubance
		23.07.13	16.28	23.07.13	17.42	Tripped on internal fualt
		03.08.13	10.57	03.08.13	11.47	Tripped due to Grid Distrubance
		26.08.13	12.15	26.08.13	13.35	Tripped due to Grid Distrubance
		29.08.13	20.45	29.08.13	22.52	Tripped on internal fualt
		03.09.13	13.18	03.09.13	14.25	
		10.09.13	00.34	10.09.13	01.32	
		05.10.13	21.17	05.10.13	23.30	Tripped due to Grid Distrubance
		07.10.13	18.55	10.10.13	09.03	Tripped on internal fualt
		17.10.13	12.39	17.10.13	14.31	
		'06.01.14	07.26	06.01.14	14.44	Tripped due to both GTs tripped
		16.01.14	06.42	16.01.14	09.07	Tripped due to grid disturbance

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.13	0:00	01.04.13	19:18	Stopped due to low demand and high frequency
		12.05.13	18:18	12.05.13	21:20	Grid Disturbance
		04.06.13	22:45	05.06.13	23:45	Water Wall tube leakage
		13.06.13	10:58	13.06.13	11:32	Furnace Disturbance
		16.06.13	18:38	21.06.13	14:14	Stopped due to low demand and high frequency
		09.07.13	20:41	15.07.13	2400	
		19.07.13	3:28	20.07.13	18:14	
		26.07.13	14:36	29.07.13	16:00	
		10.08.13	15:12	10.08.13	16:00	
		10.08.13	17:11	10.08.13	23:15	Furnace Disturbance
		10.08.13	23:15	14.09.13	21.06	Stopped due to low demand and high frequency
		17.09.13	03:13	17.09.13	04:06	
		22.09.13	14:00	22.09.13	15:08	
		22.09.13	23:52	23.09.13	01:00	Furnace Disturbance
		23.09.13	01:00	23.09.13	21:00	Platen Superheater leakage
		23.09.13	21:00	22.10.13	12.54	Stopped due to low demand and high frequency
		09.11.13	22:34	25.11.13	02:15	
		28.11.13	23:57	12.12.13	11.00	
		20.12.13	00:00	01.01.14	08.55	
		11.01.14	14.38	11.01.14	16.42	Tripped on DC earth fault
		11.01.14	16.42	13.01.14	05.59	Stopped due to low demand and high frequency
		12.02.14	18.24	28.02.14	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	12.05.13	18:18	12.05.13	20:07	Grid Disturbance
		28.06.13	10:32	28.07.13	9:56	
		08.08.13	11:01	10.08.13	22:09	Stopped due to low demand and high frequency
		23.08.13	13:14	23.08.13	14:15	Furnace Disturbance
		21.09.13	19:57	23.09.13	19:49	Stopped due to low demand and high frequency
		02.10.13	07:50	02.10.13	08:40	
		02.10.13	09:21	02.10.13	10:01	Furnace Disturbance
		02.10.13	11:07	04.10.13	00:12	Superheater leakage
		04.11.13	19:52	24.11.13	20:50	Stopped due to low demand and high frequency
		28.11.13	09:16	28.11.13	14:23	GT Overall Differential
		05.12.13	17.49	20.12.13	17.17	
		01.01.14	08.35	10.01.14	20.53	
		21.01.14	22.10	27.01.14	08.55	
		12.02.14	12.01	28.02.14	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	03.04.13	19:55	22.04.13	13:40	Planned Shutdown
		12.05.13	18:18	12.05.13	20:20	Grid Disturbance
		26.05.13	12:41	27.05.13	12:58	Economiser Tube leakage
		13.06.13	10:40	18.06.13	12:04	Stopped due to low demand and high frequency
		04.07.13	5:45	04.07.13	7:06	Furnace Disturbance
		18.07.13	11:39	19.07.13	2:48	Stopped due to low demand and high frequency
		01.08.13	21:28	02.08.13	13:43	Water Wall tube leakage
		03.08.13	3:45	03.08.13	6:14	
		03.08.13	17:10	03.08.13	18:02	
		06.08.13	11:15	06.08.13	11:56	Furnace Disturbance
		07.08.13	11:40	15.09.13	07.21	Stopped due to low demand and high frequency
		19.09.13	05:19	19.09.13	06:50	
		19.09.13	21:01	19.09.13	21:42	
		28.09.13	10:05	28.09.13	19:22	Furnace Disturbance
		02.10.13	00:08	03.10.13	05:28	Stopped due to low demand and high frequency
		08.10.13	19:16	08.10.13	20:32	Furnace Disturbance
		09.10.13	22:20	10.10.13	00:49	HT motor problem- feed pump drive
		11.10.13	17:15	16.10.13	18:40	Stopped due to low demand and high frequency
		22.10.13	14:04	22.10.13	14:42	
		31.10.13	21:22	31.10.13	22:03	Furnace Disturbance
		10.11.13	10:13	10.11.13	11:22	Furnace Disturbance
		18.11.13	05:40	18.11.13	06:35	Furnace Disturbance
		18.11.13	18:38	18.11.13	19:48	Furnace Disturbance
		21.11.13	06:39	21.11.13	07:21	Furnace Disturbance
		22.11.13	00:05	20.01.14	04.17	
		25.01.14	23.03	10.02.14	14.16	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	09.04.13	22:17	10.04.13	2:07	MDBFP relay malfunction
		12.05.13	18:18	12.05.13	21:35	Grid Disturbance
		25.05.13	7:28	23.05.13	15:34	UAT 4A diff relay casing shorted
		11.06.13	15:35	13.06.13	07:48	Stopped due to low demand and high frequency
		10.08.13	10:24	10.08.13	13:40	AVR & Excitation system
		14.09.13	04:34	15.09.13	23:01	Water Wall tube leakage
		25.11.13	03:58	28.11.13	11:07	ID Fan 4B impeller shaft replaced
		11.12.13	23.24	17.12.13	23.16	Boiler tube leakage
		10.02.14	06.08	11.02.14	15.15	Water wall tube leakage
		11.02.14	15.15	12.02.14	07.17	3.3/6.6/11kV Bus/Breaker problem

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	09.05.13	0:06	09.05.13	15:57	APH 5B NDE Bearing vibration high
		11.05.13	19:48	14.05.13	12:17	Stopped due to low demand and high frequency
		16.06.13	15:58	16.06.13	17:09	CW Shortage
		24.06.13	16:23	24.06.13	17:45	Furnace Disturbance
		24.06.13	18:04	24.06.13	19:03	
		27.06.13	14:20	27.06.13	18:31	AVR & Excitation System
		04.07.13	0:12	04.07.13	1:15	Furnace Disturbance
		27.07.13	19:16	30.07.13	1:24	Steam Cooled W/Wall leakage
		01.08.13	20:43	02.08.13	18:30	Drum manhole leakage
		14.08.13	19:00	15.08.13	10:15	Water Wall tube leakage
		15.08.13	10:15	16.08.13	7:13	Stopped due to low demand and high frequency
		04.09.13	13:23	06.09.13	09:11	Water Wall tube leakage
		06.09.13	13:39	07.09.13	21:32	Economiser Tube leakage
		04.10.13	14:37	05.10.13	17:55	Stopped due to low demand and high frequency
		07.10.13	03:48	08.10.13	23:48	3.3/6.6/11KV Bus breaker problem
		23.10.13	00:50	20.11.13	18:42	Planned shutdown
		21.11.13	08:00	21.11.13	19:35	Shutdown of main GT Transformer
		07.12.13	14.50	07.12.13	18.47	To attend hot spot at bushing clamp
		08.12.13	14.39	08.12.13	17.38	To attend hot spot
		13.01.14	12.30	13.01.14	19.51	Generator transformer Y phase busing temp. high
		28.01.14	12.06	30.01.14	15.05	Boiler tube leakage

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	01.04.13	00:00	01.04.13	8:39	Combustion inspection
		05.04.13	10:55	21.04.13	23.59	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting
		19.06.13	00.26	19.06.13	02.42	G.T. -1 tripped due to Hot gas temp high.
		20.06.13	20.42	05.08.13	09.10	Stopped due to low demand and high frequency
		19.08.13	14.27	26.08.13	11.54	Stopped due to low demand and high frequency
		25.09.13	12.05	28.02.14	23:59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	05.04.13	13:13	12.04.13	19.02	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13
		14.04.13	13.40	25.04.13	08.57	Stopped due to low demand and high frequency
		29.04.13	22.25	30.04.13	06.25	M/C Stopped due to gas leakage in pipe line
		07.05.13	20:38	08.05.13	0:26	CW Pump Motor Failure
		29.05.13	13:57	29.05.13	15:30	GT#2 tripped on EPB press by default
		03.06.13	10:54	03.06.13	13:53	GT #2 tripped due to its rotor earth fault
		06.06.13	22.50	10.06.13	12.38	Stopped due to low demand and high frequency
		13.06.13	08.14	20.06.13	18.33	Stopped due to low demand and high frequency
		21.06.13	08:21	21.06.13	12:54	GT #2 tripped due to difference in G-1 feedback
		30.06.13	14:16	30.06.13	14:58	GT#2 Tripped on Excitation tripping
		12.07.13	15.00	03.10.13	13.22	Stopped due to low demand and high frequency
		03.10.13	16.07	07.10.13	14.48	
		10.10.13	15.56	10.10.13	17.10	Tripped due to isolation of LPC 02
		11.10.13	10.40	28.02.14	23:59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	28.10.13	00.00	28.02.14	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	28.02.14	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	254	01.04.13	0:00	27.04.13	19.19	M/C under planned shut down due to CW interconnection/CW sump cleaning/Diverter Damper setting up to 12.04.13 after force shutdown due to bearing failure of turbine up to 25.04.13 and 25.04.13 to 27.04.13 due to generator IR value low
		29.04.13	22:25	30.04.13	6:25	M/C Stopped due to gas leakage in pipe line
		30.04.13	22:07	30.04.13	23:37	GT#2 Diverted damper is closed
		07.05.13	20:35	08.05.13	3:12	CW Pump A Motor Failure
		08.05.13	11:57	08.05.13	13:19	CW Pump B Motor winding temperature increased up to threshold limit
		29.05.13	13:57	29.05.13	16:50	STG trip on GT trip
		03.06.13	10:54	03.06.13	15:57	
		06.06.13	22.50	10.06.13	17.50	Stopped due to low demand and high frequency
		13.06.13	08.16	19.06.13	09.10	
		21.06.13	08:21	21.06.13	13:00	STG trip on GT trip
		27.06.13	18:01	27.06.13	18:42	GT#2 Diverted damper is closed
		29.06.13	17:31	29.06.13	18:29	CW Pump B Discharge valve closed
		30.06.13	14:16	30.06.13	15:34	STG trip on GT trip
		12.07.13	15.00	05.08.13	11.58	Stopped due to low demand and high frequency
		19.08.13	14.29	26.08.13	17.41	
		31.08.13	12.52	31.08.13	14.12	STG tripped on internal fault
		25.09.13	12.00	07.10.13	20.20	Stopped due to low demand and high frequency
		10.10.13	15.56	10.10.13	18.06	Tripped due to tripping of GT-2
		11.10.13	10.50	31.01.14	23:59	Stopped due to low demand and high frequency

(E) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.01.14	23:59	No schedule have been given by SLDC on Spot gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	05.03.13	15:38	07.06.13	12:05	No schedule have been given by SLDC on Spot gas Gas turbine taken on spot)
		07.06.13	22:41	31.01.14	23:59	No schedule have been given by SLDC on Spot gas

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	27.02.13	00:01	07.06.13	17:40	No schedule have been given by SLDC on Spot gas
		07.06.13	22:38	31.01.14	23:59	No schedule have been given by SLDC on Spot gas

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. 16.03.2013

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	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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 HEP	480	0	53	50	0	0	50
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
TOTAL	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**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	**16807**	**1915**	**3007**	**2680**	**0**	**0**	**2680**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	**24517**	**2182**	**3674**	**3249**	**0**	**0**	**3249**

B) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 30.06.2013

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
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	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
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	154	23	20	19	0	0	19
URI HEP	480	0	53	50	0	0	50
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
TOTAL	**3228**	**195**	**370**	**352**	**0**	**0**	**352**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16230**	**1828**	**2932**	**2593**	**0**	**0**	**2593**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	1000	76	231	201	0	0	201
Grand Total	**23440**	**2057**	**3453**	**3036**	**0**	**0**	**3036**

C) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 04.07.2013

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
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	**8782**	**1152**	**2174**	**1902**	**0**	**0**	**1902**
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 HEP	480	0	53	50	0	0	50
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
TOTAL	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16307**	**1840**	**2941**	**2603**	**0**	**0**	**2603**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	1000	76	231	201	0	0	201
Grand Total	**23517**	**2069**	**3462**	**3045**	**0**	**0**	**3045**

D) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 01.08.2013

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	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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 HEP	480	0	53	50	0	0	50
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
TOTAL	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16807**	**1915**	**3007**	**2660**	**0**	**0**	**2660**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	**24517**	**2182**	**3674**	**3229**	**0**	**0**	**3229**

E) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 11.10.2013

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	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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 HEP-I	480	0	53	50	0	0	50
URI HEP-II	120	18	16	15	0	0	15
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
TOTAL	**3425**	**224**	**396**	**377**	**0**	**0**	**377**
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	**16487**	**1867**	**3023**	**2695**	**0**	**0**	**2695**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**4960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	**22947**	**2134**	**3661**	**3240**	**0**	**0**	**3240**

F) Allocation of power to Delhi from Unallocated quota of Central Sector Generating Stations to Delhi w.e.f. 19.11.2013

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	500	75	66	57	0	0	57
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	**9282**	**1227**	**2240**	**1959**	**0**	**0**	**1959**
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 HEP	480	0	53	50	0	0	50
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
TOTAL	**3305**	**206**	**380**	**361**	**0**	**0**	**361**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP(B)	440	66	0	0	0	0	0
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**1320**	**194**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	123	0	0	123
THDC							
Tehri Hydro	1000	99	103	89	0	0	89
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**142**	**127**	**0**	**0**	**127**
Total	**16807**	**1915**	**3007**	**2660**	**0**	**0**	**2660**
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
Mejia TPS Unit-6	250	0	29	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**6210**	**153**	**290**	**242**	**0**	**0**	**242**
Joint Venture							
Jhajjar TPS	1500	114	377	327	0	0	327
Grand Total	**24517**	**2182**	**3674**	**3229**	**0**	**0**	**3229**

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. 01.04.2011.

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

SOURCES	LICENSEES					
	NDMC	MES	NDPL	BRPL	BYPL	TOTAL
1. Central Sector without Dadri (Th)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.98	0.00	24.18	36.87	23.97	100.00
3. BTPS	15.94	7.09	21.88	33.37	21.72	100.00
4. RPH	0.85	0.00	28.39	42.97	27.79	100.00
5. GT	0.93	0.00	28.28	42.99	27.80	100.00
6. Pragati	26.69	0.00	20.77	31.76	20.7	100.00
7. DVC	0.00	0.00	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)	0.00	0.00	29.18	43.58	27.24	100.00
2. Dadri (Th)	14.05	0.00	24.18	3687	24.90	100.00
3. BTPS	15.07	7.09	21.88	33.37	22.59	100.00
4. RPH	0.00	0.00	28.390	42.97	28.64	100.00
5. GT	0.00	0.00	28.28	42.99	28.73	100.00
6. Pragati	25.76	0.00	20.77	31.76	21.71	100.00
7. DVC	0.00	0.00	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%)

B) 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 FEBRUARY 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	10.01.35	0	120	323	0	-2	8	551	1000	2622	2492	130	3622	0	3622
2	10.30.47	0	162	320	0	-2	2	452	934	2687	2558	129	3621	0	3621
3	09.56.00	0	155	310	0	-2	0	543	1006	2478	2602	-124	3484	0	3484
4	09.54.45	0	159	309	0	-5	3	523	989	2486	2461	25	3475	0	3475
5	09.50.28	0	161	314	0	-9	8	453	927	2518	2511	7	3445	0	3445
6	09.52.25	0	160	309	0	-2	10	550	1027	2377	2606	-229	3404	0	3404
7	09.47.09	0	156	309	0	-4	14	547	1022	2492	2651	-159	3514	0	3514
8	09.52.59	0	164	318	0	-2	11	559	1050	2428	2299	129	3478	0	3478
9	10.21.00	0	162	320	0	-2	13	554	1047	2454	2316	138	3501	0	3501
10	10.13.19	0	162	320	0	-2	7	356	843	2638	2527	111	3481	0	3481
11	09.33.29	0	158	321	0	-2	8	442	927	2519	2590	-71	3446	13	3459
12	10.06.32	0	116	321	0	-2	12	619	1066	2486	2512	-26	3552	10	3562
13	09.35.06	0	118	321	0	-3	10	463	909	2587	2489	98	3496	0	3496
14	10.39.51	0	73	266	0	-1	14	434	786	2811	2447	364	3597	0	3597
15	10.23.41	0	115	322	0	-2	2	443	880	2746	2733	13	3626	5	3631
16	10.36.32	0	115	322	0	-3	11	467	912	2758	2577	181	3670	0	3670
17	09.44.10	0	117	323	0	209	2	424	1075	2567	2645	-78	3642	0	3642
18	10.04.56	0	161	320	0	-2	4	452	935	2627	2649	-22	3562	0	3562
19	10.04.56	0	163	319	0	-5	4	427	908	2670	2697	-27	3578	0	3578
20	10.10.17	0	76	310	0	-1	3	360	748	2779	2562	217	3527	0	3527
21	09.51.34	0	79	314	0	38	6	457	894	2711	2501	210	3605	0	3605
22	10.21.03	0	83	300	0	-2	13	363	757	2704	2499	205	3461	36	3497
23	10.43.20	0	83	301	0	-8	15	377	768	2642	2497	145	3410	8	3418
24	10.00.32	47	84	300	0	-5	14	380	820	2650	2619	31	3470	0	3470
25	10.04.56	52	83	299	0	-6	13	374	815	2503	2603	-100	3318	0	3318
26	10:37:46	50	82	148	0	-7	14	371	658	2719	2301	418	3377	0	3377
27	09:47:19	53	83	262	0	-5	10	394	797	2638	2454	184	3435	13	3448
28	09:19:33	52	77	277	0	-6	10	376	786	2607	2397	210	3393	12	3405

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING FEBRUARY 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	10.01.35	0	120	323	0	-2	8	551	1000	2622	2492	130	3622	0	3622
2	10.30.47	0	162	320	0	-2	2	452	934	2687	2558	129	3621	0	3621
3	09.56.00	0	155	310	0	-2	0	543	1006	2478	2602	-124	3484	0	3484
4	09.54.45	0	159	309	0	-5	3	523	989	2486	2461	25	3475	0	3475
5	09.50.28	0	161	314	0	-9	8	453	927	2518	2511	7	3445	0	3445
6	09.52.25	0	160	309	0	-2	10	550	1027	2377	2606	-229	3404	0	3404
7	09.47.09	0	156	309	0	-4	14	547	1022	2492	2651	-159	3514	0	3514
8	09.52.59	0	164	318	0	-2	11	559	1050	2428	2299	129	3478	0	3478
9	10.21.00	0	162	320	0	-2	13	554	1047	2454	2316	138	3501	0	3501
10	10.13.19	0	162	320	0	-2	7	356	843	2638	2527	111	3481	0	3481
11	09.33.29	0	158	321	0	-2	8	442	927	2519	2590	-71	3446	13	3459
12	10.06.32	0	116	321	0	-2	12	619	1066	2486	2512	-26	3552	10	3562
13	09.35.06	0	118	321	0	-3	10	463	909	2587	2489	98	3496	0	3496
14	10.39.51	0	73	266	0	-1	14	434	786	2811	2447	364	3597	0	3597
15	10.23.41	0	115	322	0	-2	2	443	880	2746	2733	13	3626	5	3631
16	10.36.32	0	115	322	0	-3	11	467	912	2758	2577	181	3670	0	3670
17	09.44.10	0	117	323	0	209	2	424	1075	2567	2645	-78	3642	0	3642
18	10.04.56	0	161	320	0	-2	4	452	935	2627	2649	-22	3562	0	3562
19	10.04.56	0	163	319	0	-5	4	427	908	2670	2697	-27	3578	0	3578
20	10.10.17	0	76	310	0	-1	3	360	748	2779	2562	217	3527	0	3527
21	09.51.34	0	79	314	0	38	6	457	894	2711	2501	210	3605	0	3605
22	10.21.03	0	83	300	0	-2	13	363	757	2704	2499	205	3461	36	3497
23	10.43.20	0	83	301	0	-8	15	377	768	2642	2497	145	3410	8	3418
24	10.00.32	47	84	300	0	-5	14	380	820	2650	2619	31	3470	0	3470
25	10.04.56	52	83	299	0	-6	13	374	815	2503	2603	-100	3318	0	3318
26	10:37:46	50	82	148	0	-7	14	371	658	2719	2301	418	3377	0	3377
27	09:47:19	53	83	262	0	-5	10	394	797	2638	2454	184	3435	13	3448
28	09:19:33	52	77	277	0	-6	10	376	786	2607	2397	210	3393	12	3405

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

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

A (i) RPH	5.932
(ii) GT+STG	84.316
(iii) PRAGATI	196.638
(iv) RITHALA	0.000
(v) BAWANA CCGT	9.161
(vi) Timarpur – Okhla	7.347
TOTAL	303.394
B) AVAILABILITY FROM BTPS	297.700
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	12.047
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**589.047**

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	3.358	3.229	3.358	3.229
SALAL	11.447	11.005	11.447	11.005
SASAN	61.217	58.892	60.126	57.840
TANKAPUR	0.000	0.000	0.000	0.000
CHAMERA	6.145	5.908	6.145	5.908
CHAMERA -II	4.594	4.417	4.594	4.417
CHAMERA -III	1.486	1.431	1.486	1.431
DHAULIGANGA	0.000	0.000	0.000	0.000
SEWA -2	5.524	5.312	5.524	5.312
URI	14.367	13.814	14.367	13.814
URI-II	9.179	8.825	9.179	8.825
KOTESHWAR	7.739	7.439	7.739	7.439
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	25.023	24.056	19.986	19.210
ANTA (RLNG)	4.803	4.616	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	49.297	47.384	33.918	32.598
DADRI (RLNG)	12.779	12.289	0.000	0.000
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	19.512	18.746	13.747	13.208
AURAIYA (RLNG)	29.613	28.477	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	93.411	89.794	91.515	87.968
RIHAND -I	62.568	60.146	56.672	54.474
RIHAND -II	82.492	79.298	77.326	74.327
RIHAND -III	35.305	33.943	33.820	32.513
UNCHAHAR-I	15.614	15.010	13.229	12.715
UNCHAHAR-II	30.700	29.512	27.712	26.637
UNCHAHAR-III	18.783	18.056	16.818	16.166
DADRI (TH)	440.976	423.861	399.606	384.088
DADRI (TH) STAGE-II	453.218	435.649	421.859	405.485
NAPP	21.236	20.414	21.236	20.414
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	36.576	35.160	36.576	35.160
NATHPA JHAKRI	17.402	16.729	12.835	12.339
DULASTI	8.977	8.630	8.977	8.630
TEHRI	20.867	20.058	20.867	20.058
JHAJJAR	253.310	243.504	57.284	55.080
KHELGAON	31.567	30.343	27.220	26.165
KHELGAON-II	93.657	90.025	88.418	84.985

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
FARAKA	14.269	13.717	13.227	12.715
TALA	1.071	1.029	1.071	1.029
TALCHER	0.000	0.000	0.000	0.000
DVC	123.027	121.565	121.565	116.903
CHATTISHGARH	1.871	1.834	1.834	1.760
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	167.992	165.999	165.999	159.554
DVC (FOR NDPL) LT-09	4.013	3.965	3.965	3.820
HARYANA (LT-05)	19.671	19.322	19.322	18.564
UTTAR PRADESH	22.197	21.677	21.677	20.837
ORISSA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-4.576	-4.668	-4.668	-4.848
TO ORISSA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-21.588	-22.105	-22.105	-22.994
TO JAMMU & KASHMIR	-155.799	-159.064	-159.064	-165.504
TO TRIPURA	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-38.071	-38.808	-38.808	-40.371
TO GUJRAT	0.000	0.000	0.000	0.000
TO RAJASTHAN	-77.842	-79.465	-79.465	-82.666
TO MAHARASHTRA	-4.667	-4.772	-4.772	-4.964
TO UTTRANCHAL	-108.928	-111.535	-111.535	-116.016
TO HIMACHAL PRADESH	-83.737	-85.225	-85.225	-88.665
TO WEST BENGAL	-3.248	-3.287	-3.287	-3.420
POWER EXCHANGE(IEX)	3.117	2.993	3.117	2.993
TO POWER EXCHANGE (IEX)	-167.585	-174.359	-167.585	-174.359
POWRER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	-20.626	-21.462	-20.626	-21.462
TOTAL	**1653.306**	**1553.322**	**1258.226**	**1154.347**

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	1374.095	1320.836	1206.209	1159.391
NTPC - ER	139.493	134.085	128.866	123.864
NHPC	65.078	62.571	65.078	62.571
NPC	57.812	55.574	57.812	55.574
SASAN	61.217	58.892	60.126	57.840
KOTESHWAR	7.739	7.439	7.739	7.439
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	17.402	16.729	12.835	12.339
TEHRI	20.867	20.058	20.867	20.058
TALA	1.071	1.029	1.071	1.029
JHAJJAR	253.310	243.504	57.284	55.080
TALCHER	0.000	0.000	0.000	0.000
DVC	123.027	121.565	121.565	116.903
UTTRANCHAL	0.000	0.000	0.000	0.000
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	1.871	1.834	1.834	1.760
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	167.992	165.999	165.999	159.554
DVC (FOR NDPL) LT-09	4.013	3.965	3.965	3.820
HARYANA (LT -05)	19.671	19.322	19.322	18.564
UTTAR PRADESH	22.197	21.677	21.677	20.837
ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	3.117	2.993	3.117	2.993
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2339.973**	**2258.073**	**1955.366**	**1879.616**

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	-4.576	-4.668	-4.668	-4.848
TO ORISSA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-21.588	-22.105	-22.105	-22.994
TO JAMMU & KASHMIR	-155.799	-159.064	-159.064	-165.504
TO ANDHRA	0.000	0.000	0.000	0.000
TO TRIPURA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-38.071	-38.808	-38.808	-40.371
TO GUJRAT	0.000	0.000	0.000	0.000
TO RAJASTHAN	-77.842	-79.465	-79.465	-82.666
TO MAHARASHTRA	-4.667	-4.772	-4.772	-4.964
TO UTTRANCHAL	-108.928	-111.535	-111.535	-116.016
TO HIMACHAL PRADESH	-83.737	-85.225	-85.225	-88.665
TO WEST BENGAL	-3.248	-3.287	-3.287	-3.420
TO POWER EXCHANGE (IEX)	-167.585	-174.359	-167.585	-174.359
TO POWER EXCHANGE (PX)	-20.626	-21.462	-20.626	-21.462
TO SHARE PROJECT (HARYANA)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (PUNJAB)	0.000	0.000	0.000	0.000
TOTAL	**-686.667**	**-704.750**	**-697.140**	**-725.269**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**1653.306**	**1553.322**	**1228.226**	**1154.347**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS				1717.131
NET CONSUMPTION				**1705.084**
AVAILABILITY WITHIN DELHI				589.047
ACTUAL DRAWAL FROM THE GRID				1116.037
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-38.310
LOAD SHEDDING				6.212
UNRESTRICTED DEMAND (GROSS)				1723.343
UNRESTRICTED DEMAND (NET)				1711.296
MAX. NET CONSUMPTION				63.299 ON 15.02.2014
MAX. LOAD SHEDDING				316MW ON 14.02.2014 AT 11.050HRS.
PEAK LOAD DAY PEAK EVENING PEAK	Peak Demand during the month 3670MW AT 10.36.32HRS ON 16.02.2014 3370MW AT 19.00.00HRS ON 14.02.2014			SHEDDING AT PEAK TIME 0 MW 37 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH GT PRAGATI RITHALA BAWANA Timarpur Okhla			6.54% 46.47% 88.67% 0.00% 1.51% 68.33%

9 SHEDDING DETAILS DURING THE MONTH OF FEBRUARY 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-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
02-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
03-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.029	0.000
04-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.001	0.000
05-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.044	0.000
06-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.005	0.000
07-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
08-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.094	0.214	0.007	0.000
09-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.024	0.002	0.000
10-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.008	0.006	0.000
11-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
12-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.017	0.016	0.000	0.000
13-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
14-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.375	0.372	0.000	0.000
15-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.029	0.024	0.000	0.000
16-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
17-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
18-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000
19-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.055	0.000
20-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.115	0.045	0.263	0.000
21-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.075	0.073	0.090	0.000
22-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.107	0.068	0.000	0.000
23-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
24-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.017	0.002	0.000
25-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.016	0.046	0.000
26-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000
27-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.020	0.076	0.042	0.000
28-Feb-14	0	0.000	0.000	0.000	0.000	**0.000**	0.074	0.018	0.030	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.906**	**0.971**	**0.629**	**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-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
02-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.003	0.000	0.000	0.000
03-Feb-14	0.000	0.000	0.000	0.000	**0.029**	**0.029**	0.000	0.000	0.000	0.000	0.000
04-Feb-14	0.000	0.000	0.000	0.000	**0.001**	**0.001**	0.000	0.000	0.000	0.000	0.000
05-Feb-14	0.000	0.000	0.000	0.000	**0.044**	**0.044**	0.000	0.000	0.000	0.000	0.000
06-Feb-14	0.000	0.000	0.000	0.000	**0.005**	**0.005**	0.000	0.000	0.000	0.000	0.000
07-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
08-Feb-14	0.000	0.000	0.025	0.000	**0.340**	**0.340**	0.000	0.000	0.000	0.000	0.000
09-Feb-14	0.063	0.000	0.093	0.000	**0.182**	**0.182**	0.000	0.000	0.002	0.000	0.000
10-Feb-14	0.005	0.008	0.072	0.000	**0.099**	**0.099**	0.000	0.000	0.000	0.000	0.000
11-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
12-Feb-14	0.000	0.000	0.000	0.000	**0.033**	**0.033**	0.000	0.000	0.000	0.000	0.000
13-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
14-Feb-14	0.093	0.056	0.173	0.000	**1.069**	**1.069**	0.000	0.000	0.015	0.000	0.000
15-Feb-14	0.000	0.000	0.000	0.000	**0.053**	**0.053**	0.000	0.000	0.000	0.000	0.000
16-Feb-14	0.000	0.000	0.000	0.000	**0.000**	**0.000**	0.000	0.000	0.000	0.000	0.000
17-Feb-14	0.090	0.091	0.000	0.000	**0.181**	**0.181**	0.000	0.014	0.000	0.000	0.000
18-Feb-14	0.000	0.000	0.000	0.000	**0.007**	**0.007**	0.000	0.000	0.000	0.000	0.000
19-Feb-14	0.000	0.000	0.000	0.000	**0.055**	**0.055**	0.000	0.000	0.000	0.000	0.000
20-Feb-14	0.182	0.183	0.003	0.000	**0.791**	**0.791**	0.000	0.017	0.002	0.000	0.000
21-Feb-14	0.000	0.000	0.000	0.000	**0.238**	**0.238**	0.000	0.000	0.000	0.000	0.000
22-Feb-14	0.000	0.000	0.000	0.000	**0.175**	**0.175**	0.000	0.000	0.000	0.000	0.000
23-Feb-14	0.022	0.000	0.032	0.000	**0.054**	**0.054**	0.000	0.071	0.000	0.000	0.000
24-Feb-14	0.000	0.000	0.000	0.000	**0.019**	**0.019**	0.000	0.000	0.000	0.000	0.000
25-Feb-14	0.000	0.000	0.000	0.000	**0.062**	**0.062**	0.000	0.000	0.000	0.000	0.000
26-Feb-14	0.158	0.123	0.392	0.000	**0.673**	**0.673**	0.000	0.000	0.000	0.000	0.000
27-Feb-14	0.000	0.000	0.000	0.000	**0.138**	**0.138**	0.000	0.005	0.000	0.000	0.000
28-Feb-14	0.040	0.053	0.022	0.000	**0.237**	**0.237**	0.000	0.035	0.000	0.000	0.000
TOTAL	0.653	0.514	0.812	0.000	**4.485**	**4.485**	**0.000**	**0.145**	**0.019**	**0.000**	**0.000**

ALL FIGURES IN MUs

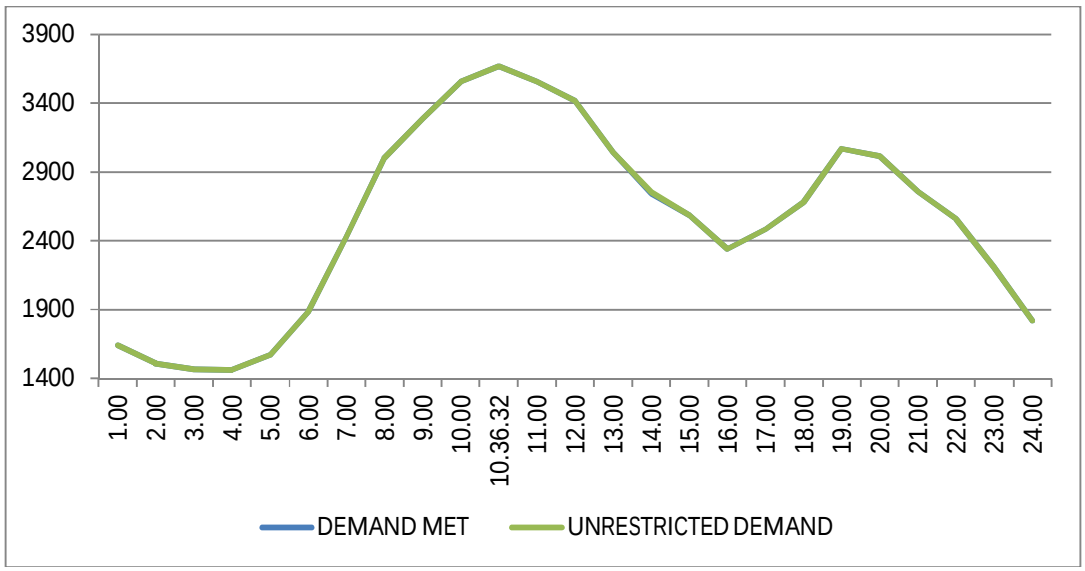
DATE	DUE TO T&D CONTRAINTS				OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.	THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	DISCOMS									
	BSES		NDPL	NDMC		BSES		NDPL		
	BYPL	BRPL				BYPL	BRPL			
1	23	24	25		26	27	28	29	30=18 to29	31=30+17
01-Feb-14	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.011	**0.012**	**0.012**
02-Feb-14	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.015	**0.024**	**0.024**
03-Feb-14	0.001	0.003	0.000	0.000	0.013	0.000	0.000	0.018	**0.035**	**0.064**
04-Feb-14	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.016	**0.033**	**0.034**
05-Feb-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	**0.012**	**0.056**
06-Feb-14	0.000	0.007	0.025	0.000	0.000	0.000	0.000	0.028	**0.060**	**0.065**
07-Feb-14	0.000	0.000	0.024	0.000	0.000	0.000	0.000	0.068	**0.092**	**0.092**
08-Feb-14	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.069	**0.108**	**0.448**
09-Feb-14	0.000	0.009	0.001	0.004	0.002	0.000	0.000	0.052	**0.070**	**0.252**
10-Feb-14	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.089	**0.091**	**0.190**
11-Feb-14	0.004	0.006	0.000	0.000	0.000	0.000	0.000	0.094	**0.104**	**0.104**
12-Feb-14	0.009	0.000	0.003	0.000	0.000	0.000	0.000	0.080	**0.092**	**0.125**
13-Feb-14	0.002	0.000	0.006	0.000	0.000	0.000	0.000	0.047	**0.055**	**0.055**
14-Feb-14	0.000	0.009	0.003	0.000	0.000	0.000	0.000	0.000	**0.027**	**1.096**
15-Feb-14	0.000	0.000	0.088	0.000	0.000	0.000	0.000	0.034	**0.122**	**0.175**
16-Feb-14	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
17-Feb-14	0.008	0.004	0.000	0.000	0.000	0.000	0.000	0.019	**0.045**	**0.226**
18-Feb-14	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.010	**0.025**	**0.032**
19-Feb-14	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.010	**0.016**	**0.071**
20-Feb-14	0.000	0.001	0.003	0.000	0.000	0.000	0.000	0.014	**0.037**	**0.828**
21-Feb-14	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.017	**0.026**	**0.264**
22-Feb-14	0.027	0.008	0.001	0.000	0.000	0.000	0.000	0.023	**0.059**	**0.234**
23-Feb-14	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.007	**0.086**	**0.140**
24-Feb-14	0.006	0.000	0.004	0.000	0.000	0.029	0.000	0.006	**0.045**	**0.064**
25-Feb-14	0.003	0.000	0.000	0.000	0.000	0.054	0.000	0.012	**0.069**	**0.131**
26-Feb-14	0.000	0.030	0.000	0.000	0.000	0.012	0.000	0.018	**0.060**	**0.733**
27-Feb-14	0.000	0.000	0.052	0.000	0.000	0.031	0.000	0.018	**0.106**	**0.244**
28-Feb-14	0.003	0.000	0.143	0.000	0.000	0.000	0.000	0.029	**0.210**	**0.447**
TOTAL	**0.107**	**0.122**	**0.373**	**0.004**	**0.015**	**0.126**	**0.000**	**0.816**	**1.727**	**6.212**

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-Feb-14	61.943	**3622**	10:01:35	0	**3622**	**3622**	10:01:35	**3622**	0
02-Feb-14	60.428	**3621**	10:30:47	0	**3621**	**3621**	10:30:47	**3621**	0
03-Feb-14	59.990	**3484**	09:56	0	**3484**	**3484**	09:56	**3484**	0
04-Feb-14	59.444	**3475**	09:54:45	0	**3475**	**3475**	09:54:45	**3475**	0
05-Feb-14	62.113	**3445**	09:50:28	0	**3445**	**3445**	09:50:28	**3445**	0
06-Feb-14	60.122	**3404**	09:52:25	0	**3404**	**3404**	09:52:25	**3404**	0
07-Feb-14	62.289	**3514**	09:47:09	0	**3514**	**3514**	09:47:09	**3514**	0
08-Feb-14	60.134	**3478**	09:52:59	0	**3478**	**3478**	09:52:59	**3478**	0
09-Feb-14	58.252	**3501**	10:21	0	**3501**	**3501**	10:21	**3501**	0
10-Feb-14	61.835	**3481**	10:13:19	0	**3481**	**3481**	10:13:19	**3481**	0
11-Feb-14	62.190	**3446**	09:33:29	13	**3459**	**3459**	09:33:29	**3446**	13
12-Feb-14	63.215	**3552**	10:06:32	10	**3562**	**3562**	10:06:32	**3552**	10
13-Feb-14	62.728	**3496**	09:35:06	0	**3496**	**3496**	09:35:06	**3496**	0
14-Feb-14	62.531	**3597**	10:39:51	0	**3597**	**3597**	10:39:51	**3597**	0
15-Feb-14	63.299	**3626**	10:23:41	5	**3631**	**3631**	10:23:41	**3626**	5
16-Feb-14	60.344	**3670**	10:36:32	0	**3670**	**3670**	10:36:32	**3670**	0
17-Feb-14	63.025	**3642**	09:44:10	0	**3642**	**3642**	09:44:10	**3642**	0
18-Feb-14	62.964	**3562**	10:04:56	0	**3562**	**3562**	10:04:56	**3562**	0
19-Feb-14	62.804	**3578**	10:04:56	0	**3578**	**3578**	10:04:56	**3578**	0
20-Feb-14	61.045	**3527**	10:10:17	0	**3527**	**3527**	10:10:17	**3527**	0
21-Feb-14	61.997	**3605**	09:51:34	0	**3605**	**3605**	09:51:34	**3605**	0
22-Feb-14	58.308	**3461**	10:21:03	36	**3497**	**3497**	10:21:03	**3461**	36
23-Feb-14	57.219	**3410**	10:43:20	8	**3418**	**3418**	10:43:20	**3410**	8
24-Feb-14	60.048	**3470**	10:00:32	0	**3470**	**3470**	10:00:32	**3470**	0
25-Feb-14	60.143	**3318**	10:04:56	0	**3318**	**3318**	10:04:56	**3318**	0
26-Feb-14	59.378	**3377**	10:37:46	0	**3377**	**3377**	10:37:46	**3377**	0
27-Feb-14	57.956	**3435**	09:47:19	13	**3448**	**3477**	10:00	**3362**	115
28-Feb-14	59.340	**3393**	09:19:33	12	**3405**	**3405**	09:19:33	**3393**	12
TOTAL	**1705.084**	**3670** **16.02.14**	10:36:32	0	**3670** 16.02.14	**3670**	10:36:32	**3670**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING FEBRUARY 2014 ON 16.02.2014- 3670MW AT 10.36.32HRS.

All figures in MW

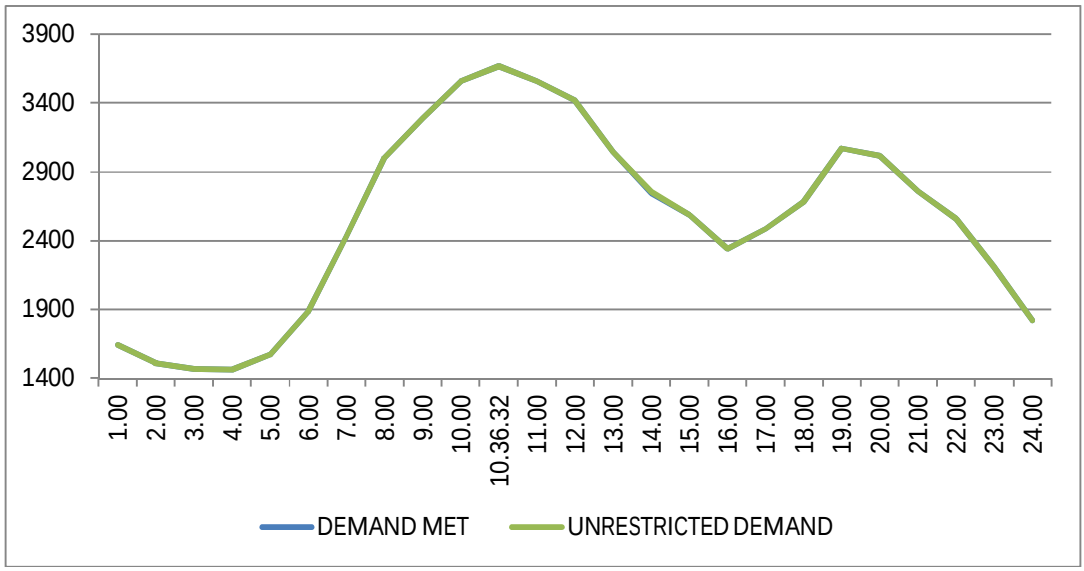
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1640	0	1640
2.00	1510	0	1510
3.00	1466	0	1466
4.00	1462	0	1462
5.00	1571	0	1571
6.00	1884	0	1884
7.00	2426	0	2426
8.00	3004	0	3004
9.00	3289	0	3289
10.00	3559	0	3559
10.36.32	3670	0	3670
11.00	3559	0	3559
12.00	3420	0	3420
13.00	3045	0	3045
14.00	2746	6	2752
15.00	2584	0	2584
16.00	2340	0	2340
17.00	2486	0	2486
18.00	2681	0	2681
19.00	3070	0	3070
20.00	3015	0	3015
21.00	2758	0	2758
22.00	2557	0	2557
23.00	2209	0	2209
24.00	1820	0	1820
TOTAL	**60.344**	**0.006**	**60.350**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING FEBRUARY 2014 ON 16.02.2014- 3670MW at 10.36.32HRS.

All figures in MW

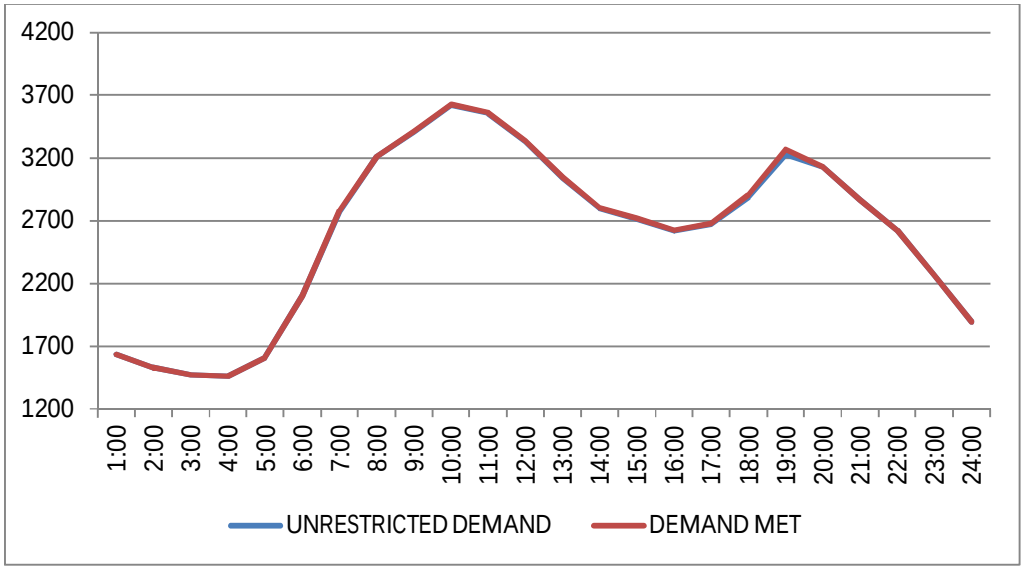
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1640	0	1640
2.00	1510	0	1510
3.00	1466	0	1466
4.00	1462	0	1462
5.00	1571	0	1571
6.00	1884	0	1884
7.00	2426	0	2426
8.00	3004	0	3004
9.00	3289	0	3289
10.00	3559	0	3559
10.36.32	3670	0	3670
11.00	3559	0	3559
12.00	3420	0	3420
13.00	3045	0	3045
14.00	2746	6	2752
15.00	2584	0	2584
16.00	2340	0	2340
17.00	2486	0	2486
18.00	2681	0	2681
19.00	3070	0	3070
20.00	3015	0	3015
21.00	2758	0	2758
22.00	2557	0	2557
23.00	2209	0	2209
24.00	1820	0	1820
TOTAL	**60.344**	**0.006**	**60.350**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING FEBRUARY 2014 – 15.02.2014 – 63.299Mus

All figures in MW

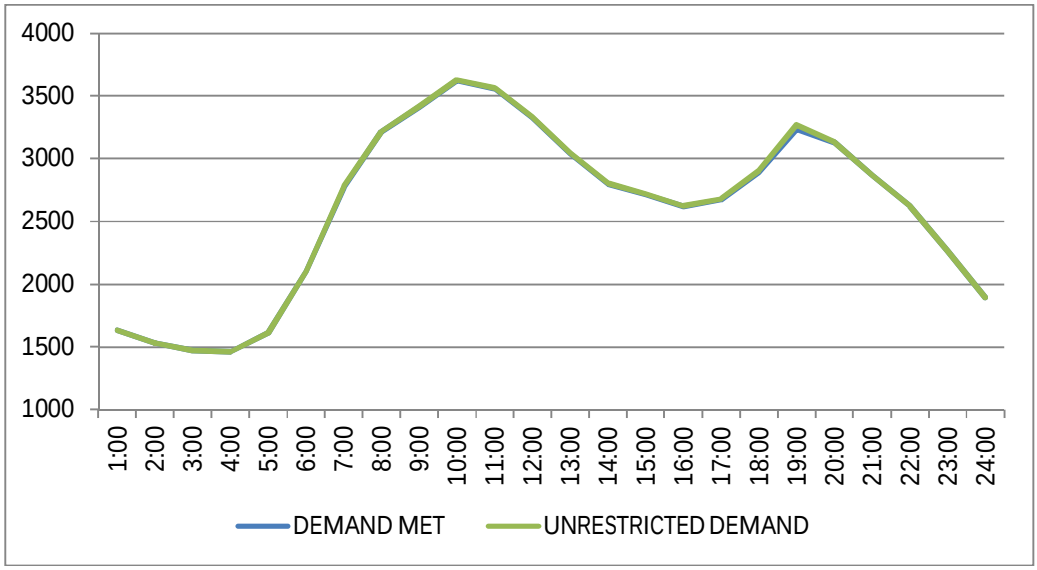
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1632	0	1632
2:00	1531	0	1531
3:00	1472	0	1472
4:00	1464	0	1464
5:00	1610	0	1610
6:00	2102	0	2102
7:00	2772	12	2784
8:00	3213	0	3213
9:00	3411	5	3416
10:00	3621	5	3626
11:00	3556	5	3561
12:00	3330	5	3335
13:00	3041	5	3046
14:00	2799	5	2804
15:00	2712	5	2717
16:00	2619	5	2624
17:00	2675	5	2680
18:00	2890	16	2906
19:00	3232	38	3270
20:00	3132	0	3132
21:00	2869	0	2869
22:00	2625	0	2625
23:00	2267	0	2267
24:00	1895	0	1895
TOTAL	**63.299**	**0.175**	**63.474**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING FEBRUARY 2014 – 14.02.2014 – 63.627 Mus

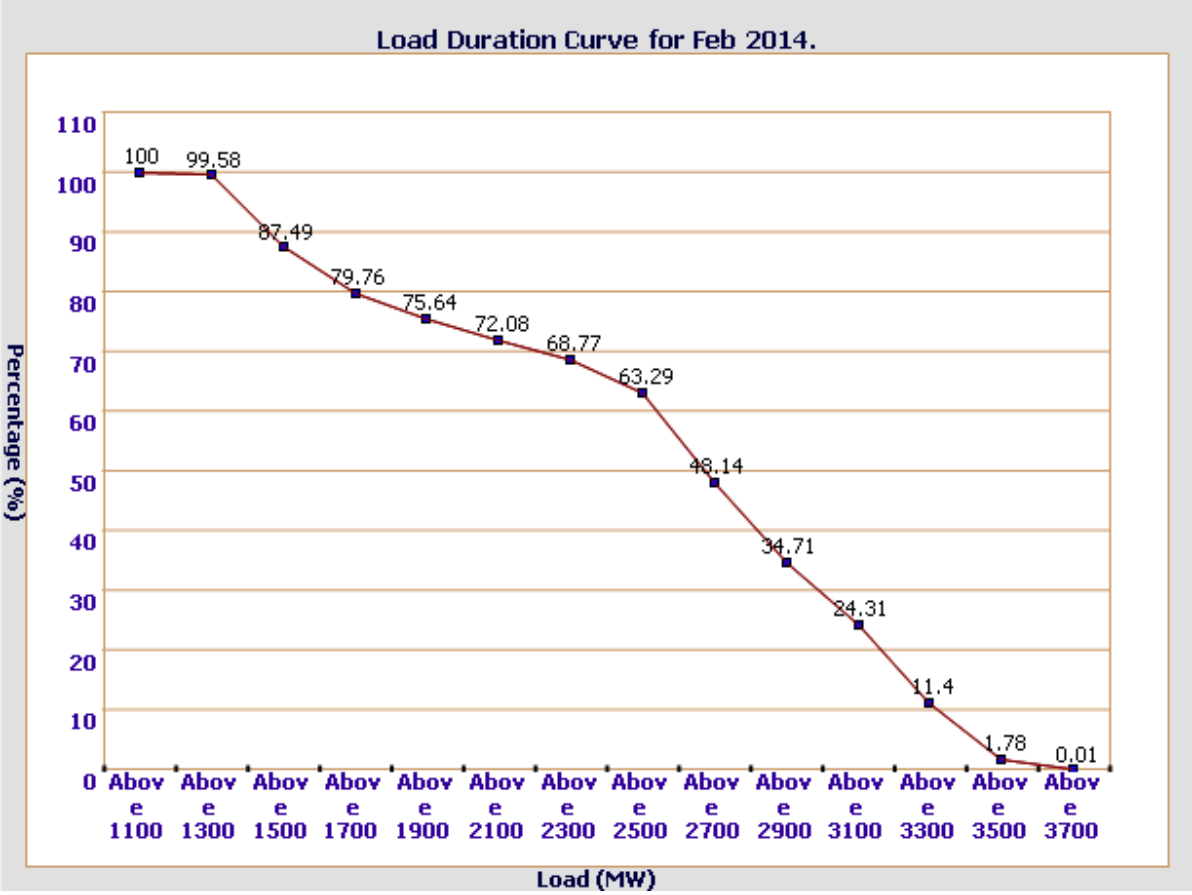
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1632	0	1632
2:00	1531	0	1531
3:00	1472	0	1472
4:00	1464	0	1464
5:00	1610	0	1610
6:00	2102	0	2102
7:00	2772	12	2784
8:00	3213	0	3213
9:00	3411	5	3416
10:00	3621	5	3626
11:00	3556	5	3561
12:00	3330	5	3335
13:00	3041	5	3046
14:00	2799	5	2804
15:00	2712	5	2717
16:00	2619	5	2624
17:00	2675	5	2680
18:00	2890	16	2906
19:00	3232	38	3270
20:00	3132	0	3132
21:00	2869	0	2869
22:00	2625	0	2625
23:00	2267	0	2267
24:00	1895	0	1895
TOTAL	**62.531**	**1.096**	**63.627**



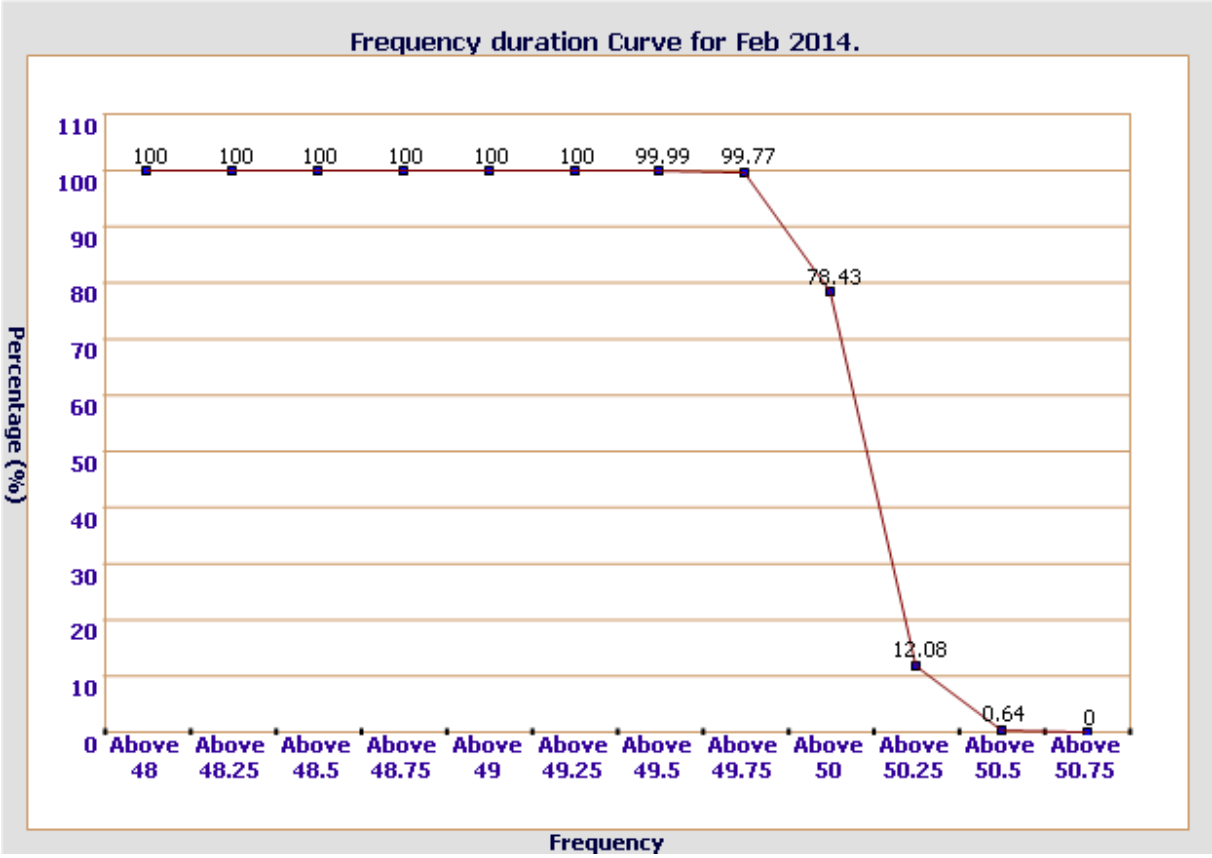
14 LOAD DURATION CURVE FOR FEBRUARY 2014

Load in MW	Percentage of Time
Above 1100	100 %
Above 1300	99.58 %
Above 1500	87.49 %
Above 1700	79.76 %
Above 1900	75.64 %
Above 2100	72.08 %
Above 2300	68.77 %
Above 2500	63.29 %
Above 2700	48.14 %
Above 2900	34.71 %
Above 3100	24.31 %
Above 3300	11.4 %
Above 3500	1.78 %
Above 3700	0.01 %



15 FREQUENCY ANALYSIS FOR THE MONTH OF FEBRUARY 2014

Frequency Range in Hz.	Percentage of time
Above 49.25	100 %
Above 49.5	99.99 %
Above 49.75	99.77 %
Above 50	78.43 %
Above 50.25	12.08 %
Above 50.5	0.64 %
Above 50.75	0 %



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-Feb-14	233.82	220.15	233.05	212.41
02-Feb-14	233.95	222.99	233.82	217.70
03-Feb-14	234.08	221.83	232.66	216.41
04-Feb-14	232.79	221.83	220.82	214.09
05-Feb-14	234.34	222.09	231.37	217.09
06-Feb-14	234.34	222.34	230.21	210.09
07-Feb-14	235.11	222.34	232.79	213.44
08-Feb-14	234.34	222.21	232.15	211.25
09-Feb-14	234.98	223.38	233.18	218.60
10-Feb-14	234.98	221.44	233.82	209.96
11-Feb-14	233.95	219.12	234.24	218.60
12-Feb-14	233.95	219.51	234.98	--
13-Feb-14	234.47	221.57	234.60	218.86
14-Feb-14	234.72	224.28	235.11	219.51
15-Feb-14	236.40	224.15	236.40	217.96
16-Feb-14	235.63	222.86	235.24	218.86
17-Feb-14	236.82	221.83	236.27	218.35
18-Feb-14	235.89	219.25	235.37	218.47
19-Feb-14	233.43	218.47	234.60	217.06
20-Feb-14	232.40	219.51	233.82	218.60
21-Feb-14	232.15	217.83	233.82	218.22
22-Feb-14	234.08	220.15	236.01	--
23-Feb-14	234.47	221.18	236.40	221.83
24-Feb-14	233.82	219.51	235.89	219.51
25-Feb-14	234.08	218.47	234.08	215.77
26-Feb-14	233.05	216.67	234.34	213.96
27-Feb-14	233.69	217.57	234.60	--
28-Feb-14	236.01	219.89	238.21	--

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Feb-14	424.19	01.18.06	395.12	09.28.04	412.84
02-Feb-14	424.19	04.01.25	404.26	10.16.56	415.24
03-Feb-14	423.72	--	403.09	--	412.33
04-Feb-14	421.38	01.33.43	401.45	10.46.58	412.63
05-Feb-14	423.72	03.33.04	402.15	10.10.17	412.28
06-Feb-14	423.25	02.01.37	400.98	10.12.56	412.32
07-Feb-14	425.36	03.03.04	399.34	08.34.04	412.73
08-Feb-14	423.25	00.53.06	398.40	10.05.40	412.01
09-Feb-14	424.90	03.59.06	404.49	09.08.46	413.75
10-Feb-14	424.43	03.31.51	400.98	09.27.20	412.57
11-Feb-14	423.72	04.33.31	394.41	09.33.29	411.50
12-Feb-14	423.72	03.33.27	394.88	09.57.31	411.15
13-Feb-14	424.19	03.46.56	401.68	10.10.39	413.56
14-Feb-14	426.54	02.27.52	406.37	10.04.49	416.17
15-Feb-14	427.47	03.00.56	405.20	10.48.03	415.48
16-Feb-14	426.07	04.00.51	403.09	09.09.18	416.68
17-Feb-14	427.47	03.12.57	400.98	07.15.42	414.95
18-Feb-14	425.36	03.24.15	401.68	09.46.15	413.41
19-Feb-14	423.25	03.24.15	398.40	09.46.15	411.35
20-Feb-14	420.91	04.01.48	403.32	10.26.58	411.86
21-Feb-14	433.02	04.01.56	400.74	07.25.36	412.84
22-Feb-14	426.30	03.34.01	399.57	18.48.30	413.37
23-Feb-14	423.02	04.01.48	399.57	08.47.54	413.07
24-Feb-14	422.59	00.01.11	397.23	09.57.42	409.72
25-Feb-14	422.79	03.24.15	394.65	09.46.15	409.55
26-Feb-14	423.25	04.00.25	391.13	09.52.34	409.34
27-Feb-14	423.25	01.57.25	393.47	12.41.39	408.78
28-Feb-14	424.43	02.10.11	397.93	18.26.11	409.93

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-Feb-14	427.47	00.29.44	403.79	09.28.14	417.89
02-Feb-14	426.77	04.01.45	410.36	10.16.36	419.36
03-Feb-14	427.24	--	408.95	18.36.25	417.00
04-Feb-14	426.36	01.32.52	408.72	06.49.02	417.27
05-Feb-14	427.47	03.00.42	409.18	06.26.25	417.45
06-Feb-14	427.71	04.00.14	409.18	14.36.27	418.69
07-Feb-14	428.88	03.00.54	407.54	08.33.54	418.77
08-Feb-14	428.65	00.53.46	408.01	09.17.47	418.00
09-Feb-14	428.65	03.59.16	410.36	09.08.46	418.89
10-Feb-14	428.41	03.32.21	407.54	14.42.47	417.56
11-Feb-14	426.77	04.33.21	404.03	10.04.26	415.26
12-Feb-14	426.54	03.31.26	404.03	10.30.05	416.06
13-Feb-14	427.71	23.44.41	407.54	10.10.39	417.61
14-Feb-14	430.99	02.28.42	412.47	06.39.28	420.32
15-Feb-14	431.23	03.04.56	408.18	10.55.15	420.30
16-Feb-14	429.82	04.00.41	410.12	09.46.20	421.48
17-Feb-14	431.93	03.12.18	408.95	18.48.35	420.52
18-Feb-14	430.99	03.02.14	408.95	18.47.01	418.91
19-Feb-14	426.54	03.02.14	405.43	09.46.15	414.26
20-Feb-14	425.36	04.02.18	408.01	18.41.07	416.42
21-Feb-14	426.54	21.59.03	405.20	10.41.47	417.01
22-Feb-14	429.82	03.33.51	408.95	18.43.50	419.59
23-Feb-14	429.82	04.01.38	409.18	09.07.55	420.69
24-Feb-14	429.12	00.01.11	406.84	06.44.51	417.01
25-Feb-14	425.13	23.49.32	405.43	09.46.15	414.54
26-Feb-14	428.41	04.00.35	401.68	09.50.14	416.35
27-Feb-14	428.41	23.34.13	402.62	12.41.19	415.52
28-Feb-14	432.16	02.10.31	409.89	18.53.22	420.33

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 FEBRUARY 2014

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01-02-14	11:08	GOPALPUR 220/33kV 100MVA Tx-III	01-02-14	12:57	NEUTRAL CT BLAST TR. TRIPPED MANUALLY
2	02-02-14	20:14	220kV SARITA VIHAR - BTPS CKT.-II	03-02-14	12:20	AT BTPS NO TRIPPING AT SARITA VIHAR CKT. TRIPPED ON DIST. PROT, Y PHASE, DIST PROT, DIST. 2KMS.
3	02-02-14	20:14	220kV SARITA VIHAR - BTPS CKT.-I	03-02-14	12:20	AT BTPS END NO TRIPPING, AT SARITA VIHAR CKT. TRIPPED ON DIST. PROT, Y PHASE , 186A, 186B
4	03-02-14	02:30	ROHINI-II 220/66kV 160MVA Tx-I	03-02-14	13:07	TR. TRIPPED ON LOW GAS PRESSURE, 86B, ALONGWITH 66KV I/C-I TRIPPED ON 86B
5	07-02-14	15:17	220kV KANJHAWALA-NAJAFGARH CKT	07-02-14	19:18	CKT. TRIPPED ON Z-1, DIST. RELAY ABC, DIST. 6.1714KM
6	09-02-14	11:05	220kV Maharani Bagh- Electric Lane Ckt-II	09-02-14	15:50	AT MAHARANI BAGH : CKT. TRIPPED ON 186R, 286R, 86AB AT ELECT LANE : CKT. TRIPPED ON 86B
7	09-02-14	17:00	OKHLA 220/33kV 100MVA Tx-IV	09-02-14	21:09	TR. TRIPPED ON CTR, MASTER RELAY, 86, 86, 164LV SIDE, 33KV I/C-IV TRIPPED ON 86 LV SIDE
8	09-02-14	17:22	KANJHAWALA 220/66kV 100MVA Tx-II	09-02-14	17:31	TR. TRIPPED ON 86 RELAY
9	10-02-14	14:43	KANJHAWALA 220/66kV 100MVA Tx-I	10-02-14	15:50	TR. TRIPPED ON BUCHOLZ
10	10-02-14	15:54	KANJHAWALA 220/66kV 100MVA Tx-I	10-02-14	18:20	TR. TRIPPED ON BUCHOLZ
11	11-02-14	16:07	OKHLA 33kV NEHRU PLACE CKT-I	11-02-14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. - V
12	11-02-14	16:07	OKHLA 33kV ALAKNANDA CKT-II	11-02-14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. - V
13	11-02-14	16:07	OKHLA 33kV EAST OF KAILASH CKT	11-02-14	16:30	CKT. TRIPPED DUE TO TRIPPING OF 100MVA PR. TR. - V
14	11-02-14	16:07	OKHLA 220/33kV 100MVA Tx-V	12-02-14	14:40	TR. TRIPPED ON DIFFERENTIAL
15	11-02-14	16:28	220kV BAMNAULI-PAPPANKALAN-II CKT-I	11-02-14	16:36	CKT. TRIPPED ON DIST PROT. BUT CVT AVAILABLE
16	11-02-14	18:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	12-02-14	14:10	TR. MADE OFF MANUALLY DUE TO SPARKING OBSERVED IN NCT EARTHING STRIP CLAMP
17	13-02-14	04:59	220kV Maharani Bagh- Electric Lane Ckt-II	13-02-14	10:12	CKT. TRIPPED ON DC FAILURE, 86 RELAY RESET.
18	14-02-14	03:35	220kV PRAGATI - I.P.CKT - I	14-02-14	18:11	AT I.P. CKT. TRIPPED ON DIST. PROT. ZONE-2, RYB PHASE, R PHASE LA DAMAGED & RYB PHASE DISC INSULATOR BROKEN AT PRAGATI CKT. TRIPPED ON DIST PROT, ZONE-2, 1.91KM
19	14-02-14	05:33	ELECTRIC LANE 220/33kV 100MVA Tx-II	14-02-14	17:36	TR. TRIPPED ON OSR, GROUP B, 295AC, 86AB, 33KV I/C-II TRIPPED ON 86A, 86B
20	14-02-14	11:02	220KV WAZIRABAD - MANDOLA CKT-II	14-02-14	11:24	AT MANDOLA CKT. TRIPPED ON POLE DISCREPANCY ON RELAY PANEL CKT. WAS CHARGED FROM WAZIRABAD END
21	14-02-14	15:08	220kV ROHINI-SHALIMARBAGH CKT-I	14-02-14	15:25	CKT. TRIPPED ON 96A, 186A
22	14-02-14	15:08	220KVBAWANA- ROHINI CKT-I	14-02-14	15:27	AT ROHINI CKT. TRIPPED ON 96A, AUTO RECLOSE, 186A, CVT AVAILABLE
23	14-02-14	15:08	ROHINI 220/66kV 100MVA Tx-I	14-02-14	15:25	TR. TRIPPED ON 96
24	14-02-14	15:56	ROHINI 220/66kV 100MVA Tx-I	15-02-14	18:40	TR. TRIPPED ON 96 AUTO RECLOSE
25	14-02-14	15:56	220kV ROHINI-SHALIMARBAGH CKT-I	14-02-14	19:00	AT ROHINI CKT. TRIPPED ON 186 A&B
26	14-02-14	16:19	220KVBAWANA- ROHINI CKT-I	14-02-14	18:40	AT ROHINI CKT TRIPPED ON 96 BUS BAR PROT. RELAY
27	15-02-14	01:31	220kV Maharani Bagh- Electric Lane Ckt-I	15-02-14	01:41	AT MAHARANI BAGH CKT. TRIPPED ON OVER VOLTAGE
28	15-02-14	01:41	220kV Maharani Bagh- Electric Lane Ckt-II	15-02-14	07:32	AT MAHARANIBAGH CKT. TRIPPED ON OVER VOLTAGE AT ELECTRIC LANE CVT DISAPPEAR

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
29	15-02-14	01:41	220kV MAHARANIBAGH-MASJID MOTH CKT-II	15-02-14	07:32	AT MAHARANIBAGH CKT. TRIPPED ON OVER VOLTAGE AT MASJID MOTH CVT DISAPPEAR
30	15-02-14	15:06	WAZIRABAD 66/11kV, 20MVA Tx-III	15-02-14	16:00	TR. TRIPPED ON 86, REF 64, RLV, DIFFERENTIAL
31	15-02-14	15:40	220kV MEHRAULI - BTPS CKT. - I	15-02-14	15:59	AT MEHRAULI CKT. TRIPPED ON ACTIVE GROUP, ABC PHASE, DIST. PROT. ZONE-2, DIST. 15.14KMS. AT BTPS CKT. TRIPPED ON B PHASE, E/F
32	17-02-14	15:16	OKHLA 220/66kV 100MVA Tx-II	17-02-14	15:36	66KV I/C-II TRIPPED ON 51 NX
33	20-02-14	18:01	OKHLA 66/11kV, 20MVA Tx-II	21-02-14	20:00	TR. TRIPPED ON 86, R PHASE CT DAMAGE
34	20-02-14	18:30	NAJAFGARH 66/11kV, 20MVA Tx-II	20-02-14	19:18	TR. TRIPPED ON O/C, 86
35	20-02-14	19:23	MUNDKA 220/66kV 160MVA Tx-II	20-02-14	19:30	TR. TRIPPED ON 86B RELAY
36	20-02-14	20:05	220KV WAZIRABAD - MANDOLA CKT-II	20-02-14	21:47	CKT. TRIPPED ON DIST. PROT, DIST. NO DATA, FUSE FAIL
37	22-02-14	12:25	OKHLA 66kV OKHLA PHASE-I CKT-II	22-02-14	12:35	WHILE ARRANGEING S/D OF 66KV BUS-2 CKT TRIPPED ON D/P,Z-1 DUE TO PT FUSE FAILURE.
38	22-02-14	12:25	OKHLA 66kV OKHLA PHASE-I CKT-I	22-02-14	12:35	WHILE ARRANGEING S/D OF 66KV BUS-2 CKT TRIPPED ON D/P,Z-1 DUE TO PT FUSE FAILURE.
39	23-02-14	06:29	NAJAFGARH 66/11kV, 20MVA Tx-II	23-02-14	19:02	TX TRIPPED ON DIFFERENTIAL PROTECTION(87).
40	23-02-14	23:22	WAZIRABAD 66/11kV, 20MVA Tx-III	24-02-14	09:26	TX TRIPPED ON 86 ALONG WITH I/C-3.
41	24-02-14	17:38	220KV WAZIRABAD - MANDOLA CKT-II	24-02-14	18:05	AT WZB CKT TRIPPED ON D/P,RY&B-PH,Z-1,DIST-1.2KM. AT MDL CKT TRIPPED ON D/P,R&Y-PH,Z-1,DIST-1.2KM.
42	25-02-14	12:20	220kV PRAGATI - SARITA VIHAR CKT	25-02-14	14:59	AT SARITA VIHAR CKT TRIPPED ON D/P, A/R, AB&C-PH, Z-1, DIST-0.966KM. NO TRIPPING AT PRAGATI
43	25-02-14	12:27	220kV MAHARANI BAGH - SARITA VIHAR CKT	25-02-14	14:55	AT MAHARANIBAGH CKT TRIPPED D/P, R,Y&B-PH,Z-2&3, DIST-9.8KM. NO TRIPPING AT SARITA VIHAR.
44	27-02-14	11:39	220kV OKHLA - BTPS CKT.- I	27-02-14	20:16	AT OKHLA CKT TRIPPED ON 67NX,86. NO TRIPPING AT BTPS. JUMPER SNAPPED AT T NO.-20
45	27-02-14	12:06	PRAGATI 220/66kV 160MVA Tx-I	27-02-14	12:45	TX TRIPPED ON 30D(OLTC OSR),SPR,30B(OIL TEMP.HIGH),30C (WINDING TEMP. HIGH),86. 66KV I/C-1 TRIPPED ON 86.
46	27-02-14	12:06	PRAGATI 220/66kV 160MVA Tx-II	27-02-14	13:08	TX TRIPPED ON 30D(OLTC OSR),SPR,30B(OIL TEMP.HIGH),30C (WINDING TEMP. HIGH),86. 66KV I/C-1 TRIPPED ON 86.
47	28-02-14	01:58	220kV Maharani Bagh- Electric Lane Ckt-I	28-02-14	02:23	CKT TRIPPED WITHOUT INDICATION.
48	28-02-14	02:10	220kV Maharani Bagh- Electric Lane Ckt-I	28-02-14	03:04	CKT TRIPPED ON GENERAL TRIP.
49	28-02-14	02:10	220kV MAHARANIBAGH-MASJID MOTH CKT-I	28-02-14	10:15	CKT TRIPPED ON TC-1,Y&B-PH FAULTY,TC-2,Y&B-PH FAULTY
50	28-02-14	03:07	220kV MAHARANIBAGH-MASJID MOTH CKT-II	28-02-14	07:28	AT M BAGH CKT TRIPPED ON RY&B-PH GENERAL TRIP.
51	28-02-14	03:27	ROHINI-II 220/66kV 160MVA Tx-I	28-02-14	16:00	TX TRIPPED ON 86.
52	28-02-14	19:04	220kV BAMNAULI-PAPPANKALAN-I CKT-II	28-02-14	23:57	CKT TRIPPED WITHOUT INDICATION. CB PRESSURE LOW.

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

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