DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

SEPTEMBER 2016

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEP. 2015	SEP 2016
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Badapur Thermal Power Station	705	705
	Rithala GT	108	108
	Bawana	1372	1372
	TOWMCL	16	16
	Total	2936	2936
2	**Maximum Unrestricted Demand (MW)**	**5463**	**5305**
	Date	15.09.2015	20.09.2016
	Time	22.56.50	22.50.39
3	**Peak Demand met (MW)**	**5457**	**5301**
	Date	15.09.2015	20.09.2016
	Time	22.56.50	22.50.39
4	Peak Availability (MW)	5343	5120
5	Shortage (-) / Surplus (+) in MW	(-) 114	(-) 181
6	Percentage Shortage (-) / Surplus (+)	(-) 2.09	(-) 3.41
7	Maximum Energy Consume in a day (Mus)	113.334	110.496
8	Energy Consumed during the month	**3042.194**	**3101.054**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		0.000
i)	Under Frequency Relay Operations	0.001	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	0.332	0.206
	BRPL	0.775	0.942
	BYPL	0.007	0.072
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.129	0.164
	Total due to Grid Restriction	**1.244**	**1.384**
B)	Due to Constraints in System in Mus		
	DTL	1.738	0.583
	NDPL	0.447	0.171
	BRPL	0.971	0.312
	BYPL	0.244	0.131
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.098	0.001
	Total	**3.498**	**1.198**
11	**Grand Total in Mus**	**4.742**	**2.582**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2016

A) For the month of September 2016

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	RPH	0.000	1.327	-1.327	0.00	0.000
2.	GT	55.012	1.699	53.513	84.19	105.574
3.	PPCL	144.463	3.351	140.812	74.12	30.802
4.	BTPS	258.720	23.233	235.487	60.45	33.173
5.	Rithala	0.000	0.060	-0.060	**89.17**	59.040
6.	Bawana	198.118	6.984	191.134	68.11	466.628
7.	Towmcl	12.296	1.899	10.397	--	--
	TOTAL	**668.609**	**38.553**	**629.956**	**--**	**695.217**

B) For the Year 2016-17 (Upto September 2016)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept 2016	Availability (%) for Sept 2016	PLF (%) for Sept 2016	Cumulative Generation in MUs upto Sept 2016 for the year 2016-17	Cumulative Availability in % upto Sept 2016 for the year 2016-17	Cumulative PLF in % upto Sept 2016 for the year 2016-17
RPH	135	-1.327	0.00	-0.58	0.000	0.00	-0.88
GT	270	53.513	84.19	28.21	355.918	80.74	29.85
PPCL	330	140.812	74.12	60.75	1032.346	89.08	71.35
BTPS	705	235.487	60.45	51.65	1350.6	57.14	48.95
Rithala	108	-0.060	**89.17**	0.00	0.000	**89.17**	0.00
Bawana	1372	191.134	68.11	19.64	930.256	68.41	15.34
Towmcl	16	10.397	--	--	77.564	--	--
TOTAL	2936	**629.956**	**--**	**--**	**3746.684**	**--**	**--**

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2016

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40	--	--	Tripped on boiler tube leakage

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	--	--	Stopped due to shortage of coal

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	30.03.16	13.52	17.04.16	10:45	Machine tripped as heavy jerk observed in Control room and 160 MVA Tr-i& II tripped at 220 KV end due to tripping of Geeta Colony to Wazirabad ckt. Machine not taken on load due to less demand from SLDC.
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	29.04.16	19:15	Stopped due to low demand and high frequency
		13.5.16	16:10	13.5.16	17:47	Machine stopped to replace the broken drain valve in the inlet line of ACW.
		15.5.16	08:40	15.5.16	11:00	machine stopped to attend the leakage of oil from LV bushing of Unit Transformer.Machine cleared by Electrical division at 11:00 hrs but machine not taken on load due to low schedule from SLDC.
		15.5.16	11:00	16.5.16	10:54	Machine stopped as per SLDC message
		23.5.16	15:46	25.5.16	15:30	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine not taken on load due to less demand
		28.5.16	12:01	6.6.16	09:58	Stopped due to low demand and high frequency
		10.6.16	16:54	10.6.16	17:08	machine came on FSNL as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		13.6.16	07:11	13.6.16	09:00	Machine tripped as heavy jerk observed in the system as both 160 MVA Tx-I &II tripped.
		4.7.16	17:53	6.7.16	08:50	Stopped due to low demand and high frequency
		15.7.16	00:32	15.7.16	18:18	
		15.7.16	21:42	20.7.16	10:58	
		20.7.16	15:25	21.7.16	14:45	
		1.8.16	14:55	1.8.16	15:40	Machine stopped due to heavy smoke from Turbine auxiliary compartment.
		1.8.16	18:43	2.8.16	10:00	Tripped due to failure of communication link with I/O packs.
		2.8.16	10:00	3.8.16	10:15	Stopped due to low demand and high frequency
		4.8.16	12:30	4.8.16	14:08	Machine stopped to replace 11 KV CKT breaker due to low SF6 gas pressure.
		5.8.16	19:05	29.8.16	19:35	Stopped due to low demand and high frequency
		29.8.16	20:50	02.09.16	12.56	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	28.01.16	01:20	31.03.16	23:59	Stopped due to low demand and high frequency
		01.04.16	18:00	17.04.16	10:45	
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	5.5.16	15:11	Stopped due to low demand and high frequency
		5.5.16	15:57	5.5.16	16:40	Machinestopped due to problem in ACW line.
		7.5.16	17:02	7.5.16	17:52	Problem in battery charger
		19.5.16	00:02	19.5.16	01:03	T-Communication link inoperative
		23.5.16	15:46	23.5.16	15:50	Machine came on FSNL due to tripping of 160 MVA Tr-I& II.
		25.5.16	06:09	25.5.16	06:52	T-Communication link inoperative
		26.5.16	18:15	26.5.16	23:20	Machine tripped on high exhaust trip alarm.
		29.5.16	00:50	06.06.16	08.56	Stopped due to low demand and high frequency
		10.6.16	16:54	10.6.16	17:00	machine came on FSNL as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		13.6.16	07:11	13.6.16	13:40	Machine tripped as heavy jerk observed in the system as both 160 MVA Tx-I &II tripped.
		1.7.16	02:20	1.7.16	09:18	Loss of Field alarm appeared and machine tripped on Electrical Trouble Normal Shutdown.
		2.7.16	11:40	6.7.16	15:45	Stopped due to low demand and high frequency
		6.7.16	22:50	6.7.16	23:10	Loss of Field alarm appeared and machine tripped on Electrical Trouble Normal Shutdown.
		6.7.16	23:10	7.7.16	16:26	Stopped due to low demand and high frequency
		7.7.16	18:40	7.7.16	20:09	Loss of Field alarm appeared and machine tripped on Electrical Trouble Normal Shutdown.
		9.7.16	15:35	9.7.16	16:40	machine desynchroniz to check the Mvar problem.
		9.7.16	18:40	9.7.16	22:45	Loss of Field alarm appeared and machine tripped on Electrical Trouble Normal Shutdown.
		9.7.16	22:53	12.7.16	15:55	Stopped due to low demand and high frequency
		15.7.16	21:42	20.7.16	13:20	
		21.7.16	15:40	22.7.16	13:02	
		5.8.16	10:23	5.8.16	17:00	Machine tripped on Electrical trouble normal shut down.
		5.8.16	17:00	12.8.16	12:58	Stopped due to low demand and high frequency
		12.8.16	13:28	29.8.16	14:45	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	01.02.16	19.15	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	12.05.16	12.00	Stopped due to low demand and high frequency
		12.5.16	12:00	19.5.16	23:09	Machine under shut down as permit taken by Electrical division to replace its 66 KV breaker.
		19.5.16	23:09	20.5.16	20:52	Machine available but not taken on load due to less schedule from SLDC
		20.5.16	23:58	06.06.16	15.40	Stopped due to low demand and high frequency
		6.6.16	18:06	9.6.16	15:50	
		9.6.16	18:46	30.6.16	14:30	
		30.6.16	14:40	30.6.16	16:20	Machine tripped due'S' communication link inoperative.
		30.6.16	17:19	30.6.16	18:05	machine tripped on false alarm in Turbine or Accessories Area.
		01.07.16	01.00	30.09.16	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	29.01.16	14:00	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	16.05.16	15.04	Stopped due to low demand and high frequency
		16.5.16	18:04	18.5.16	16:12	Machine stopped due to low schedule from SLDC
		21.5.16	16:05	21.5.16	17:57	supply of Computer failed.
		23.5.16	15:46	24.5.16	15:25	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine nottaken on load due to less demand
		24.5.16	16:27	6.6.16	11.12	Stopped due to low demand and high frequency
		6.6.16	20:10	7.6.16	10:34	
		10.6.16	16:54	10.6.16	17:08	machine came on FSNL as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		10.6.16	18:32	13.6.16	12:55	Stopped due to low demand and high frequency
		13.6.16	22:38	20.6.16	08:33	
		20.6.16	16:30	24.6.16	12:14	
		24.6.16	17:45	30.6.16	10:07	
		30.6.16	19:00	30.6.16	19:55	Machine tripped on over temperature alarm
		2.7.16	08:48	8.7.16	10:51	Stopped due to low demand and high frequency
		8.7.16	12:20	14.7.16	11:45	
		14.7.16	15:10	30.09.16	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	14.03.16	19.15	01.04.16	15:05	Stopped due to low demand and high frequency
		11.04.16	19:06	11.04.16	21:22	
		17.04.16	10:45	17.04.16	18:38	Station shut down to attend ACW line.
		18.04.16	12:54	24.04.16	10:55	Stopped due to low demand and high frequency
		29.04.16	19:15	13.05.16	17.10	
		13.5.16	19:30	16.5.16	13:29	
		20.5.16	23:42	21.5.16	18:08	machine stopped to attend leakage of oil from IGV
		21.5.16	18:55	21.5.16	20:04	Machine tripped on high exhaiust temperature
		22.5.16	11:46	23.5.16	11:30	Stopped due to low demand and high frequency
		23.5.16	11:55	23.5.16	12:30	machine desynchronise to check the position of Bleed valve.
		23.5.16	15:46	24.5.16	15:42	Machine tripped due to tripping of 160 MVA Tr-I& II. After that machine nottaken on load due to less demand
		25.5.16	16:35	26.5.16	19:05	Stopped due to low demand and high frequency
		27.5.16	00:07	27.5.16	17:20	
		27.5.16	17:25	28.5.16	11:07	
		29.5.16	22:10	29.5.16	22:22	Machine came on FSNL due to tripping of 160 MVA Tr-I& II.
		10.6.16	16:54	10.6.16	17:08	machine came on FSNL as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		11.6.16	20:45	13.6.16	11:12	Stopped due to low demand and high frequency
		20.6.16	01:04	23.6.16	15:59	Machine stopped to inspect the low load reason on mahine by M/s BGGTS
		23.6.16	16:00	24.6.16	16:18	Stopped due to low demand and high frequency
		24.6.16	18:05	25.6.16	10:10	
		2.7.16	11:35	4.7.16	16:52	
		7.7.16	17:20	8.7.16	08:38	
		12.7.16	16:55	14.7.16	09:06	
		15.7.16	18:57	15.7.16	21:40	
		23.7.16	08:15	27.7.16	05:03	
		28.7.16	15:17	5.8.16	17:10	
		15.8.16	16:31	15.8.16	17:37	Heavy jerk observed in Control room. GT-5 tripped .Relay-P343 operated at protection panel.Both 160 MVA tr. Tripped.
		18.8.16	17:05	19.8.16	11:06	Stopped due to low demand and high frequency
		19.8.16	11:17	19.8.16	11:40	Machine desynchronize to check the hunting in load.
		31.8.16	10:30	30.09.16	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	19.03.16	11.40	6.04.16	12:00	Stopped due to low demand and high frequency
		06.04.16	12:00	11.04.16	18:10	machine taken under S/d for Combustion Inspection & Boroscopic Inspection
		11.04.16	21:06	17.04.16	10:45	Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	18.04.16	11:30	Stopped due to low demand and high frequency
		24.04.16	11:44	13.05.16	18.45	
		13.5.16	20:15	16.5.16	17:23	
		23.5.16	15:46	23.5.16	16:37	Machine tripped due to tripping of 160 MVA Tr-I& II.
		29.5.16	01:50	02.06.16	10.48	Machine stopped due to low schedule from SLDC
		10.6.16	16:54	10.6.16	17:08	machine came on FSNL as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		11.6.16	20:45	13.6.16	20:34	Stopped due to low demand and high frequency
		20.6.16	16:35	24.6.16	13:20	
		24.6.16	18:08	25.6.16	10:04	
		6.7.16	16:55	8.7.16	11:05	
		12.7.16	15:00	14.7.16	15:05	
		27.7.16	03:58	27.7.16	09:11	Machine tripped on Electrical trouble normal shut down. SF-6 second stage gas pressure low alarm appeared on protection pannel
		27.7.16	09:11	05.08.16	12.10	Stopped due to low demand and high frequency
		29.8.16	17:25	30.09.16	23:59	Machine stopped as there was no schedule from SLDC on Spot R-LNG.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	29.1.16	14:00	01.04.16	18:05	M/c cleared from maintainence side but Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	29.04.16	19:15	Stopped due to low demand and high frequency
		01.5.16	21:27	01.5.16	22:59	Machine tripped due to failure of LT supply.
		13.5.16	16:10	13.5.16	18:48	Machinestopped due to problem in ACW line.
		23.5.16	15:46	23.5.16	17:25	Machine tripped due to tripping of 160 MVA Tr-I& II.
		23.5.16	19:20	24.5.16	14:04	Stopped due to low demand and high frequency
		29.5.16	00:50	06.06.16	11.44	
		10.6.16	16:54	10.6.16	17:53	machine tripped as both the ICT 160 MVA TX-I & II tripped due to jek in the system.
		13.6.16	07:11	13.06.16	10:45	Machine tripped as heavy jerk observed in the system as both 160 MVA Tx-I &II tripped.
		04.07.16	17:53	06.07.16	12:20	Stopped due to low demand and high frequency
		15.07.16	21:42	21.07.16	13:29	
		31.07.16	15:31	31.07.16	16:05	Due to jerk CEP-1A tripped & machine tripped on low vacuum.
		05.08.16	19:05	29.08.16	17:20	Machine stopped as per sSLDC to maintain only 72 MW generation.
		14.09.16	11.35	14.09.16	12.53	Machine tripped due to turbine F JB shaft vibration very high.
		15.09.16	14.28	15.09.16	16.02	Machine tripped on generator RJB housing vibration very high.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	29.01.16	14:00	17.04.16	10:45	M/c cleared from maintainence side Stopped due to low demand and high frequency
		17.04.16	10:45	17.04.16	18:45	Station shut down to attend ACW line.
		17.04.16	18:45	19.05.16	07.45	Stopped due to low demand and high frequency
		21.5.16	16:04	21.5.16	19:15	Machine tripped due to tripping of GT#4
		23.5.16	15:46	23.5.16	17:25	Machine tripped due to tripping of 160 MVA Tr-I& II.
		23.5.16	17:25	06.06.16	17.04	Stopped due to low demand and high frequency
		6.6.16	17:19	6.6.16	19:38	machine tripped on Hot well very high alarm as the parameter of STG# 2 got freezed and actual value of the same was not appearing on BCD.
		6.6.16	20:10	7.6.16	12:55	Stopped due to low demand and high frequency
		10.6.16	16:54	13.6.16	18:06	machine tripped as both the ICT 160 MVA TX-I & II tripped due to jek in the system. Machine not taken on load due low demand.
		13.6.16	22:38	20.6.16	11:40	Stopped due to low demand and high frequency
		20.6.16	16:35	24.6.16	14:54	
		24.6.16	17:47	30.6.16	13:45	
		30.6.16	19:00	30.6.16	22:03	Machine tripped due to tripping of GT#4
		02.07.16	08.48	30.09.16	23.59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	19.03.16	18.15	01.04.16	17:45	Stopped due to low demand and high frequency
		01.04.16	18:30	01.04.16	19:26	Tripped on Gen. Class-A relay
		01.04.16	19:32	01.04.16	20:07	Tripped on Gen. Class-A relay
		11.04.16	21:06	11.04.16	21:45	Machine stopped due to stopping of GT#6.
		17.04.16	10:45	17.04.16	19:57	Station shut down to attend ACW line.
		29.04.16	19:15	09.05.16	15.52	Stopped due to low demand and high frequency
		16.5.16	16:02	16.5.16	16:30	Machine stopped to attend false over speed alarm
		21.5.16	21:28	21.5.16	23:52	Machine tripped on Turbine FJB shaft vibration very high
		23.5.16	15:46	23.5.16	17:30	Machine tripped due to tripping of 160 MVA Tr-I& II.
		29.5.16	22:10	29.5.16	23:45	Machine tripped due to tripping of 160 MVA Tr-I& II.
		31.5.16	20:16	31.5.16	23:45	SNH feeder tripped & found earth fault.
		2.6.16	11:36	2.6.16	14:00	Machine tripped while changing the load from auxiliary to pressure.
		10.6.16	16:54	10.6.16	17:38	machine tripped due to jek in the system.
		11.6.16	20:45	13.6.16	13:26	Stopped due to low demand and high frequency
		13.6.16	21:30	13.6.16	22:30	Machine tripped on Class A relay.
		19.6.16	07:01	19.6.16	08:02	Machine tripped on FJB shaft vibration very high.
		20.6.16	16:35	24.6.16	15:16	Stopped due to low demand and high frequency
		24.6.16	18:12	25.6.16	11:55	
		7.7.16	17:20	8.7.16	11:18	
		12.7.16	16:55	14.7.16	12:30	
		18.7.16	04:38	18.7.16	06:45	Machine tripped on FJB shaft Vibration very high.
		27.7.16	03:58	27.7.16	09:11	Machine tripped due to tripping of GT-6 as running on single HRSG#6.
		28.7.16	15:17	05.08.16	16.30	Stopped due to low demand and high frequency
		5.08.16	18:01	05.08.16	18:52	Machine tripped on turbine oil pressure very low.
		9.08.16	10:55	09.08.16	11:31	Machine tripped on low vacuum due to tripping of CWP-1
		15.08.16	16:31	15.08.16	17:28	Heavy jerk observed. STG-3 tripped due to failure of auxilary supply.
		28.08.16	14:28	28.08.16	16:16	Machine tripped on generator housing vibration high.after replacing the Vibratio card machine synchronized.
		28.08.16	16:27	28.08.16	17:03	Machine tripped on generator and turbine housing vibration high.
		31.08.16	10:30	30.09.16	23:59	Machine stopped as per sSLDC to maintain only 36 MW generation.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.16	00.00	06.04.16	06.00	Stopped due to low demand and high frequency
		01.05.16	05.58	01.05.16	13.15	Unit stopped by stn.
		07.05.16	11.37	07.05.16	12.34	Unit tripped.
		23.05.16	22.16	24.05.16	10.01	Unit stopped and started due to low demand and high frequency
		09.06.16	14:33	09.06.16	15:10	GT#1 tripped on grid disturbance.
		18.06.16	07:09	18.06.16	09:13	GT#1 tripped on grid disturbance.
		18.06.16	10:09	18.06.16	10:38	GT#1 tripped.
		11.07.16	08.10	11.07.16	09.32	Unit tripped due to grid disturbance
		16.07.16	08.50	19.07.16	11.00	Stopped due to low demand and high frequency
		19.07.16	11.00	19.07.16	14.01	Unit not available
		30.07.16	00.00	31.07.16	14.10	Stopped due to low demand and high frequency
		06.08.16	14.00	08.08.16	10.37	
		12.08.16	17.00	16.08.16	10.50	
		18.08.16	11.30	22.08.16	10.35	
		31.08.16	09.46	03.09.16	09.58	
		19.09.16	00.00	30.09.16	23.59	Unit stopped for CI.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.16	00.00	01.04.16	03.18	Stopped due to low demand and high frequency
		06.04.16	08.40	11.04.16	04.31	G.T.-2 was swppped by G.T. -1 and started as desired
		15.04.16	06.06	15.04.16	12.02	Unit stopped
		24.04.16	14.15	25.04.16	06.48	Stopped due to low demand and high frequency
		28.04.16	12.44	28.04.16	13.35	Unit tripped
		06.05.16	11.28	06.05.16	16.00	Unit tripped due to grid disturbance
		06.05.16	16.00	11.05.16	13.27	Unit tripped
		26.05.16	21.18	26.05.16	22.55	Unit tripped
		05.06.16	03:59	08.06.16	15:17	GT2 tripped
		10.06.16	16:50	10.06.16	17:38	GT#2 tripped on grid disturbance.
		13.06.16	19:49	13.06.16	20:54	GT#2 tripped on grid disturbance.
		18.06.16	07:09	18.06.16	09:54	GT#2 tripped on grid disturbance.
		19.06.26	05:58	20.06.16	06:00	Stopped due to low demand and high frequency
		13.07.16	16.29	15.07.16	19.18	Unit tripped
		31.07.16	07.22	03.08.16	14.24	Stopped due to low demand and high frequency
		28.08.16	12.39	28.08.16	16.00	G.T.-2 and STG was tripped due to grid disturbance
		28.08.16	16.00	28.08.16	22.45	Unit unavailable.
		03.09.16	11.05	03.09.16	12.00	Unit was swapped by G.T. -1
		03.09.16	12.00	04.09.16	18.00	Unit was remain unavailable
		04.09.16	18.00	07.09.16	22.58	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	01.04.16	00.00	01.04.16	09.07	Stopped due to low demand and high frequency
		21.04.16	14.59	21.04.16	16.25	STG Tripped
		24.04.16	13.15	24.04.16	21.27	Unit stopped
		29.04.16	11.58	29.04.16	12.46	STG Tripped
		02.05.16	15.57	02.05.16	16.54	STG Tripped
		06.05.16	11.28	06.05.16	12.12	Unit tripped due to grid disturbanve
		07.05.16	11.40	07.05.16	13.30	Unit tripped alongwith G.T.-1
		08.05.16	17.49	08.05.16	19.35	STG Tripped
		10.05.16	17.55	10.05.16	23.58	STG Tripped
		13.05.16	19.02	13.05.16	20.50	Stopped due to low demand and high frequency
		05.06.16	14:20	05.06.16	15:06	STG tripped on grid disturbance.
		09.06.16	14:33	09.06.16	16:22	STG tripped on grid disturbance.
		10.06.16	16:50	10.06.16	18:00	STG tripped on grid disturbance.
		13.06.16	12:14	13.06.16	17:46	Stopped due to low demand and high frequency
		13.06.16	19:49	13.06.16	21:34	STG tripped on grid disturbance.
		18.06.16	07:09	18.06.16	10:05	STG tripped on grid disturbance.
		18.06.16	10:09	18.06.16	10:57	STG tripped on GT#1 tripped
		27.06.16	19:06	28.06.16	03:36	Stopped due to low demand and high frequency
		09.07.16	12.53	09.07.16	15.19	Unit tripped
		11.07.16	08.05	11.07.16	10.52	Unit tripped due to grid disturbance
		18.07.16	18.37	18.07.16	19.44	Unit tripped
		30.07.16	09.17	30.07.16	18.23	Stopped due to low demand and high frequency
		31.07.16	07.22	31.07.16	16.17	
		28.08.16	12.39	28.08.16	14.24	Unit tripped due to grid disturbance

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.15	00.00	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	24.09.15	19.52	30.09.16	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	09.10.15	01.00	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	12.12.15	14.30	04.04.16	07.47	Stopped due to low demand and high frequency
		11.04.16	14.03	12.04.16	20.11	Economizer tube leakage
		24.04.16	1621	24.04.16	21.52	PA Fan A lub oil sys temp high
		01.05.16	16.30	01.05.16	17.55	Human Error(Vacuum low)
		10.05.16	05.34	11.05.16	01.39	Boiler Drum Impulse line lkg
		11.05.16	09.08	21.05.16	03.10	Gen Seal problem
		21.05.16	04.04	21.05.16	04.38	ID Fan A Thermal Overload
		21.05.16	15.10	21.05.16	16.45	Relay malfunction (air flow low)
		03.06.16	21.30	05.06.16	07.03	Water Platen Lkg
		09.06.16	14.27	09.06.16	18.22	Grid Disturbance

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	24.04.16	16.21	24.04.16	21.52	Stopped due to temp. high.
		06.06.16	09.50	07.06.16	13.53	Water leakage
		09.06.16	14.28	09.06.16	17.11	Tripped due to grid disturbance
		17.07.16	14.30	17.07.16	18.15	Oil surge relay cable inter core shorting.
		09.08.16	22.20	10.08.16	02.29	AVR and excitation system problem.

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	16.07.15	02.18	30.09.16	23.59	Machine tripped due to compressor stalling alarm

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	24.03.16	00.00	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	13.06.16	15.00	Stopped due to low demand and high frequency
		13.06.16	15.00	16.06.16	17.15	Machine shut down for planned maintenance due to annual testing of generator transformer .
		16.06.16	17.15	26.06.16	09.24	Stopped due to low demand and high frequency
		02.08.16	15.23	02.08.16	15.47	Machine tripped due to failure of primary DPU Card
		06.08.16	11.07	06.08.16	12.50	Machine tripped due to rebooting of Mark VI.
		01.09.16	08.45	05.09.16	12.00	Machine shutdown for attending internal fault
		05.09.16	12.00	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	28.03.16	00.00	15.04.16	10.00	Planned Shut down.
		15.04.16	10.00	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	13.06.16	15.00	Stopped due to low demand and high frequency
		13.06.16	15.00	16.06.16	17.15	Machine shut down for planned maintenance due to annual testing of generator transformer .
		16.06.16	17.15	26.06.16	15.20	Stopped due to low demand and high frequency
		02.08.16	15.29	02.08.16	16.14	Machine tripped due to failure of primary DPU Card
		06.08.16	11.07	06.08.16	13.59	Machine tripped due to rebooting of Mark VI.
		01.09.16	08.45	05.09.16	12.00	Machine shutdown for attending internal fault
		05.09.16	12.00	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	08.01.16	23.15	18.04.16	05.23	Stopped due to low demand and high frequency
		18.04.16	11.16	18.04.16	19.12	Unit tripped
		03.05.16	06.08	03.05.16	08.57	Machine shutdown for planned mtc.
		23.05.16	19.04	10.08.16	14.00	Stopped due to low demand and high frequency
		10.08.16	14.00	18.08.16	00.00	Machine is shutdown for palnned mtc.
		01.09.16	00.00	19.09.16	18.59	Stopped due to low demand and high frequency
		23.09.16	23.59	29.09.16	22.16	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	08.01.16	23.15	03.05.16	06.00	Stopped due to low demand and high frequency
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	09.30	27.05.16	01.12	Stopped due to low demand and high frequency
		30.05.16	11.16	05.09.16	00.44	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	28.03.16	00.00	30.04.16	23.59	Planned shutdown
		03.05.16	06.00	03.05.16	09.30	Machine shutdown for planned mtc.
		03.05.16	06.10	03.05.16	10.39	Machine shutdown for planned mtc.
		06.05.16	16.45	06.05.16	17.44	Unit tripped
		23.05.16	19.06	27.05.16	08.24	Stopped due to low demand and high frequency
		27.05.16	11.18	05.09.16	11.03	
		20.09.16	07.05	20.09.16	08.02	HRSG #3 taken out of service due to internal fault.

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	30.09.16	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	30.09.16	23.59	Stopped due to low demand and high frequency

4 ALLOCATION OF POWER TO DELHI

A) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 01.04.2016

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2069**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	63	60	0	0	60
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**102**	**97**	**0**	**0**	**97**
Total	**18427**	**2110**	**3188**	**2846**	**0**	**0**	**2846**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**5960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
Jhajjar TPS	1500	114	643	577	0	0	577
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29847**	**2377**	**4536**	**4023**	**0**	**0**	**4023**

B) Time block 00.00hrs. to 24.00hrs. @ 0% allocation from Unallocated Quota from 05.08.2016

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	**2**	**3**	**4**	**5**	**6**	**7**	**(8)=(5)+(7)**
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	730	634	0	0	634
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
Koldam HEP	800	120	56	53	0	0	53
TOTAL	**10582**	**1422**	**2357**	**2065**	**0**	**0**	**2065**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	240	0	32	31	0	0	31
Sewa HEP	120	18	16	15	0	0	15
Dhauli Ganga HEP	280	42	37	35	0	0	35
Dulhasti HEP	390	58	50	48	0	0	48
Parbati-III HEP	520	66	66	63	0	0	63
TOTAL	**4065**	**272**	**479**	**455**	**0**	**0**	**455**
NPC							
Narora APS	440	64	47	41	0	0	41
RAPP (C)	440	64	56	49	0	0	49
TOTAL	**880**	**128**	**103**	**89**	**0**	**0**	**89**
SVJNL							
Nathpa Jhakri HEP	1500	149	142	135	0	0	135
THDC							
Tehri Hydro	1000	99	63	60	0	0	60
Koteshwar HEP	400	40	39	37	0	0	37
TOTAL	**1400**	**139**	**102**	**97**	**0**	**0**	**97**
Total	**18427**	**2110**	**3183**	**2842**	**0**	**0**	**2842**
Allocation from ER and Tala HEP							
Farakka	1600	0	22	19	0	0	19
Kahalgaon	840	0	51	43	0	0	43
Talchar	1000	0	0	0	0	0	0
Tala HEP	1020	153	30	25	0	0	25
Kahalgaon-II	1500	0	157	131	0	0	131
Total ER	**5960**	**153**	**261**	**217**	**0**	**0**	**217**
Joint Venture							
Jhajjar TPS	1500	114	693	622	0	0	622
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	383
Grand Total	**29847**	**2377**	**4582**	**4064**	**0**	**0**	**4064**

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING SEPTEMBER 2016

All figures in MW

Date	Time of peak demand	Generation within Delhi								Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		RPH	GT	PPCL	Rithala	Bawana	Townmcl	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	19.18.56	0	37	148	0	-4	16	323	520	3920	3774	146	4440	0	4440
2	15.39.54	0	71	146	0	-4	10	329	552	4105	4059	46	4657	0	4657
3	23.13.25	0	71	146	0	-4	10	329	552	3996	3859	137	4548	0	4548
4	23.34.13	0	72	148	0	-7	6	330	549	4138	3899	239	4687	0	4687
5	15.10.43	0	70	144	0	285	10	332	841	4016	3948	68	4857	0	4857
6	15.33.54	0	70	146	0	252	14	321	803	4114	3940	174	4917	0	4917
7	15.22.55	0	69	145	0	303	16	326	859	4087	3972	115	4946	0	4946
8	15.34.11	0	70	266	0	263	15	327	941	4074	4044	30	5015	0	5015
9	15.11.39	0	71	266	0	254	9	322	922	4156	4008	148	5078	0	5078
10	00.01.44	0	72	264	0	253	16	326	931	3926	3774	152	4857	0	4857
11	23.23.50	0	73	267	0	253	16	328	937	3933	3841	92	4870	3	4873
12	23.00.00	0	74	267	0	253	14	301	909	4028	3912	116	4937	0	4937
13	22.58.04	0	75	268	0	255	16	330	944	4070	3937	133	5014	0	5014
14	22.53.09	0	74	271	0	253	16	330	944	4117	4085	32	5061	0	5061
15	23.39.49	0	74	266	0	253	16	330	939	4160	3884	276	5099	0	5099
16	22.51.17	0	73	269	0	253	14	330	939	4145	4132	13	5084	0	5084
17	23.00.00	0	74	268	0	253	14	330	939	3912	3867	45	4851	0	4851
18	22.54.10	0	73	261	0	253	16	333	936	4033	3947	86	4969	0	4969
19	23.01.29	0	74	149	0	329	16	365	933	4181	4127	54	5114	51	5165
20	22.50.00	0	73	144	0	505	16	330	1068	4233	4052	181	5301	4	5305
21	15.10.00	0	71	144	0	504	15	330	1064	4216	4034	182	5280	1	5281
22	00.00.01	0	73	150	0	506	16	330	1075	3902	3789	113	4977	0	4977
23	23.09.41	0	74	149	0	505	16	330	1074	3900	3785	115	4974	0	4974
24	00.00.23	0	72	150	0	255	16	330	823	3914	3845	69	4737	0	4737
25	23.15.18	0	75	151	0	255	16	330	827	3906	3876	30	4733	0	4733
26	23.01.29	0	73	151	0	251	16	330	821	4157	4106	51	4978	0	4978
27	22.55.58	0	73	150	0	301	16	333	873	4233	4100	133	5106	6	5112
28	22.52.00	0	73	149	0	304	15	346	887	4211	4053	158	5098	58	5156
29	22.50.28	0	73	149	0	323	14	360	919	4344	4207	137	5263	0	5263
30	23.00.00	0	73	148	0	470	15	360	1066	4171	4098	73	5237	0	5237

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 2016

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	19.18.56	0	37	148	0	-4	16	323	520	3920	3774	146	4440	0	4440
2	15.39.54	0	71	146	0	-4	10	329	552	4105	4059	46	4657	0	4657
3	23.13.25	0	71	146	0	-4	10	329	552	3996	3859	137	4548	0	4548
4	23.34.13	0	72	148	0	-7	6	330	549	4138	3899	239	4687	0	4687
5	15.10.43	0	70	144	0	285	10	332	841	4016	3948	68	4857	0	4857
6	15.33.54	0	70	146	0	252	14	321	803	4114	3940	174	4917	0	4917
7	15.22.55	0	69	145	0	303	16	326	859	4087	3972	115	4946	0	4946
8	15.34.11	0	70	266	0	263	15	327	941	4074	4044	30	5015	0	5015
9	15.11.39	0	71	266	0	254	9	322	922	4156	4008	148	5078	0	5078
10	00.01.44	0	72	264	0	253	16	326	931	3926	3774	152	4857	0	4857
11	23.23.50	0	73	267	0	253	16	328	937	3933	3841	92	4870	3	4873
12	23.00.00	0	74	267	0	253	14	301	909	4028	3912	116	4937	0	4937
13	22.58.04	0	75	268	0	255	16	330	944	4070	3937	133	5014	0	5014
14	22.53.09	0	74	271	0	253	16	330	944	4117	4085	32	5061	0	5061
15	23.39.49	0	74	266	0	253	16	330	939	4160	3884	276	5099	0	5099
16	22.51.17	0	73	269	0	253	14	330	939	4145	4132	13	5084	0	5084
17	23.00.00	0	74	268	0	253	14	330	939	3912	3867	45	4851	0	4851
18	22.54.10	0	73	261	0	253	16	333	936	4033	3947	86	4969	0	4969
19	23.01.29	0	74	149	0	329	16	365	933	4181	4127	54	5114	51	5165
20	22.50.00	0	73	144	0	505	16	330	1068	4233	4052	181	5301	4	5305
21	15.10.00	0	71	144	0	504	15	330	1064	4216	4034	182	5280	1	5281
22	00.00.01	0	73	150	0	506	16	330	1075	3902	3789	113	4977	0	4977
23	23.09.41	0	74	149	0	505	16	330	1074	3900	3785	115	4974	0	4974
24	00.00.23	0	72	150	0	255	16	330	823	3914	3845	69	4737	0	4737
25	23.15.18	0	75	151	0	255	16	330	827	3906	3876	30	4733	0	4733
26	23.01.29	0	73	151	0	251	16	330	821	4157	4106	51	4978	0	4978
27	22.55.58	0	73	150	0	301	16	333	873	4233	4100	133	5106	6	5112
28	22.52.00	0	73	149	0	304	15	346	887	4211	4053	158	5098	58	5156
29	22.50.28	0	73	149	0	323	14	360	919	4344	4207	137	5263	0	5263
30	23.00.00	0	73	148	0	470	15	360	1066	4171	4098	73	5237	0	5237

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR SEPTEMBER 2016

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

A (i) RPH	0.000
(ii) GT+STG	55.012
(iii) PRAGATI	144.163
(iv) RITHALA	0.000
(v) BAWANA CCGT	198.118
(vi) Timarpur ï Okhla	12.296
TOTAL	409.589
B) AVAILABILITY FROM BTPS	229.706
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	15.320
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**623.975**

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	6.331	6.209	6.331	6.209
SALAL	45.669	44.781	45.669	44.781
SASAN	186.496	182.777	183.211	179.559
TANKAPUR	7.660	7.511	7.660	7.511
CHAMERA	15.025	14.739	15.025	14.739
CHAMERA -II	20.238	19.849	20.238	19.849
CHAMERA -III	12.684	12.441	12.684	12.441
DHAULIGANGA	15.701	15.399	15.701	15.399
SEWA -2	4.490	4.405	4.490	4.405
URI	25.272	24.791	25.272	24.791
URI-II	17.184	16.856	17.184	16.856
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.474	9.287	9.474	9.287
PARBATI3	9.835	9.647	9.835	9.647
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	20.437	20.035	11.744	11.512
ANTA (RLNG)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	9.530	9.346	0.012	0.011
DADRI (GAS)	32.983	32.339	9.468	9.282
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	28.912	28.346	0.000	0.000
AURAIYA (GAS)	4.215	4.140	2.726	2.677
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	44.453	43.576	0.000	0.000
SINGRAULI	85.666	83.985	84.319	82.665
RIHAND -I	64.347	63.090	62.019	60.808
RIHAND -II	82.850	81.230	75.774	74.289
RIHAND -III	87.091	85.389	82.281	80.671
UNCHAHAR-I	11.149	10.938	8.433	8.272
UNCHAHAR-II	32.202	31.572	25.945	25.434
UNCHAHAR-III	19.886	19.497	15.911	15.597
DADRI (TH)	523.467	513.221	271.848	266.441
DADRI (TH) STAGE-II	506.820	496.874	433.868	425.323
NAPP	13.454	13.191	13.454	13.191
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	19.877	19.510	19.826	19.461
NATHPA JHAKRI	86.780	85.102	64.737	63.486
DULASTI	35.346	34.654	35.346	34.654
TEHRI	17.956	17.601	17.956	17.601
JHAJJAR	473.371	464.111	22.018	21.596
KHELGAON	25.311	24.815	19.112	18.734
KHELGAON-II	100.196	98.239	83.430	81.785
FARAKA	13.679	13.413	9.999	9.801
TALA	21.982	21.551	21.982	21.551
TALCHER	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
DVC	223.177	220.691	220.691	216.397
UTTAR PRADESH	6.647	6.552	6.552	6.420
TRIPUA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
UTTRANCHAL	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	106.705	105.498	105.498	103.397
DVC MEJIA (LT-08)(BYPL)	59.893	59.233	59.233	58.082
URS	0.960	0.941	0.960	0.941
JAMMU & KASHMIR	259.898	258.219	258.219	253.148
HIMACHAL PRADESH	2.455	2.421	2.421	2.374
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.442	0.437	0.437	0.427
CHATTISHGARH	66.889	65.753	65.753	64.479
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	11.690	11.629	11.629	11.425
RAJASTHAN	0.000	0.000	0.000	0.000
ORISSA	132.446	130.991	130.991	128.466
RAJASTHAN(SOLAR) BRPL-LT36	4.191	4.112	4.112	4.031
RAJASTHAN(SOLAR) BYPL - LT-35	3.947	3.872	3.872	3.796
RAJASTHAN(SOLAR) TPDDL LT-31	3.825	3.753	3.753	3.679
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-5.557	-5.667	-5.667	-5.785
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	50.291	49.310	50.291	49.310
TO POWER EXCHANGE (IEX)	-146.372	-149.327	-146.372	-149.327
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-15.139	-15.444	-15.139	-15.444
TO SHARE PROJECT (PUNJAB)	-14.974	-15.276	-14.974	-15.276
TOTAL	**3489.434**	**3422.156**	**2507.242**	**2450.855**

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	1554.009	1523.577	1084.348	1062.982
NTPC - ER	139.185	136.467	112.541	110.319
NHPC	215.434	211.283	215.434	211.283
NPC	33.331	32.701	33.281	32.652
SASAN	186.496	182.777	183.211	179.559
KOTESHWAR	9.474	9.287	9.474	9.287
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	86.780	85.102	64.737	63.486
TEHRI	17.956	17.601	17.956	17.601
TALA	21.982	21.551	21.982	21.551
JHAJJAR	473.371	464.111	22.018	21.596
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	4.191	4.112	4.112	4.031
RAJASTHAN SOLAR(BYPL)T-35	3.947	3.872	3.872	3.796
RAJASTHAN SOLAR(TPDDL)T-31	3.825	3.753	3.753	3.679
DVC	223.177	220.691	220.691	216.397
UTTAR PRADESH	6.647	6.552	6.552	6.420

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
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
UTTRANCHAL	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	106.705	105.498	105.498	103.397
DVC MEJIA (LT-08)(BYPL)	59.893	59.233	59.233	58.082
URS	0.960	0.941	0.960	0.941
JAMMU & KASHMIR	259.898	258.219	258.219	253.148
HIMACHAL PRADESH	2.455	2.421	2.421	2.374
PUNJAB	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.442	0.437	0.437	0.427
CHATTISHGARH	66.889	65.753	65.753	64.479
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	11.690	11.629	11.629	11.425
RAJASTHAN	0.000	0.000	0.000	0.000
ORISSA	132.446	130.991	130.991	128.466
POWER EXCHANGE(IEX)	50.291	49.310	50.291	49.310
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3671.475**	**3607.869**	**2689.393**	**2636.687**

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO JAMMU & KASHMIR	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-5.557	-5.667	-5.667	-5.785
TO MEGHALAYA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO PUNJAB	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO WEST BENGAL	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	0.000	0.000	0.000	0.000
TO ORISSA	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-146.372	-149.327	-146.372	-149.327
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-15.139	-15.444	-15.139	-15.444
TO SHARE PROJECT (PUNJAB)	-14.974	-15.276	-14.974	-15.276
TOTAL	**-182.041**	**-185.713**	**-182.151**	**-185.832**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3489.434**	**3422.156**	**2507.242**	**2450.855**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3116.374
NET CONSUMPTION		**3101.054**
AVAILABILITY WITHIN DELHI		623.975
ACTUAL DRAWAL FROM THE GRID		2477.079
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		26.224
LOAD SHEDDING		2.582
UNRESTRICTED DEMAND (GROSS)		3118.956
UNRESTRICTED DEMAND (NET)		3103.636
MAX. NET CONSUMPTION		110.496 ON 21.09.2016
MAX. LOAD SHEDDING		448MW ON 17.09.2016 AT 18.17HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5280MW AT 15.10HRS ON 21.09.2016	1 MW
EVENING PEAK	5301MW AT 22.50.39HRS ON 20.09.2016	4 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	28.30%
	PRAGATI	60.67%
	RITHALA	0.00%
	BAWANA	30.07%
	Timarpur Okhla	106.74%

9 SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 2016.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.035	0.148	0.025	0.000	0.000
08.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
15.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.007	0.000	0.000	0.000
17.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.093	0.000	0.000
20.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.007	0.000	0.000	0.000
25.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.254	0.000	0.000	0.000
29.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.037	0.526	0.088	0.000	0.000
30.Sep.16	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.072**	**0.942**	**0.206**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.164	0.000	0.000	0.164	0.164
07.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.208	0.208
08.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
17.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.093
20.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
25.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.254	0.254
29.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.651	0.651
30.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.164	0.000	0.000	1.384	1.384

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	**MES**	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	**30**	31	32	33	34
01.Sep.16	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Sep.16	0.000	0.000	0.000	0.000	0.000	0.002	0.017	0.000	0.000
03.Sep.16	0.027	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Sep.16	0.001	0.007	0.008	0.000	0.000	0.000	0.000	0.000	0.000
05.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.000	0.000
06.Sep.16	0.000	0.000	0.000	0.000	0.000	0.006	0.014	0.000	0.000
07.Sep.16	0.006	0.027	0.000	0.000	0.000	0.000	0.008	0.012	0.000
08.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Sep.16	0.023	0.000	0.000	0.000	0.000	0.007	0.012	0.000	0.000
10.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
11.Sep.16	0.000	0.000	0.004	0.000	0.000	0.000	0.010	0.000	0.000
12.Sep.16	0.000	0.005	0.000	0.000	0.000	0.000	0.011	0.002	0.000
13.Sep.16	0.000	0.000	0.019	0.000	0.000	0.000	0.017	0.001	0.000
14.Sep.16	0.000	0.006	0.008	0.000	0.000	0.014	0.000	0.000	0.000
15.Sep.16	0.003	0.036	0.035	0.000	0.000	0.004	0.000	0.000	0.000
16.Sep.16	0.000	0.080	0.004	0.000	0.000	0.007	0.000	0.002	0.000
17.Sep.16	0.033	0.072	0.014	0.000	0.000	0.006	0.000	0.010	0.000
18.Sep.16	0.000	0.010	0.003	0.000	0.000	0.000	0.004	0.005	0.000
19.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.006	0.000
20.Sep.16	0.000	0.017	0.028	0.000	0.000	0.000	0.005	0.011	0.000
21.Sep.16	0.000	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000
22.Sep.16	0.006	0.000	0.007	0.000	0.000	0.004	0.030	0.001	0.000
23.Sep.16	0.003	0.000	0.011	0.000	0.000	0.000	0.006	0.000	0.000
24.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.026	0.000
25.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.003	0.000
26.Sep.16	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.004	0.000
27.Sep.16	0.009	0.000	0.000	0.000	0.000	0.017	0.007	0.002	0.000
28.Sep.16	0.053	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000
29.Sep.16	0.000	0.000	0.000	0.000	0.000	0.033	0.002	0.000	0.000
30.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000
TOTAL	**0.171**	**0.263**	**0.149**	**0.000**	**0.000**	**0.131**	**0.312**	**0.088**	**0.000**

ALL FIGURES IN MUs

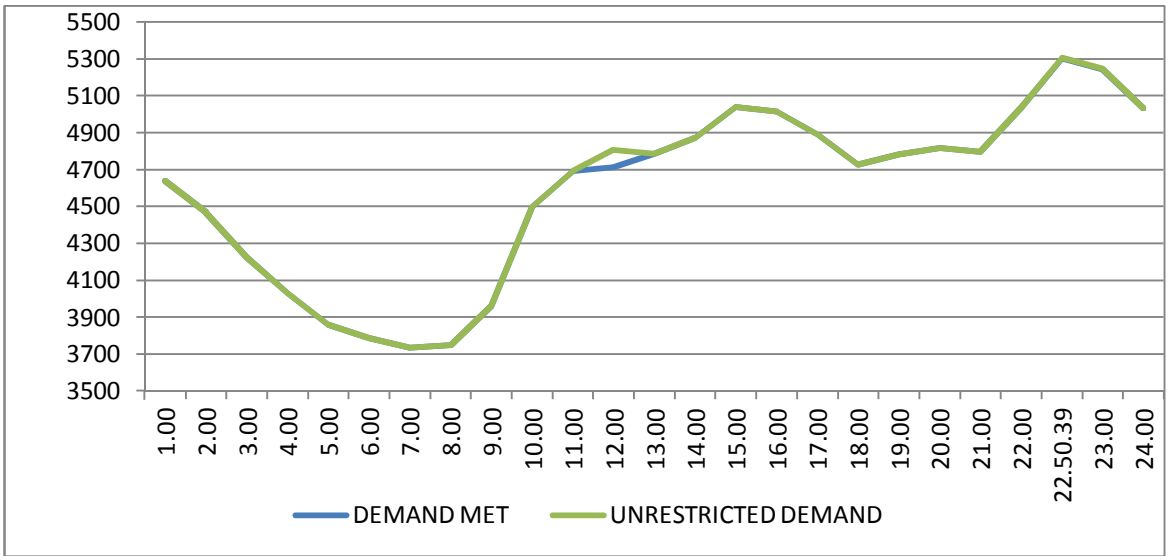
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.007
02.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
03.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
04.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
05.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.054
06.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.184
07.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.063	0.271
08.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.042
10.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
11.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.014
12.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.018
13.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.037
14.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
15.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.078
16.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.100	0.107
17.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.135
18.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.022
19.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.052	0.145
20.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.061
21.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.023	0.023
22.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.048
23.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.020
24.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.071	0.078
25.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
26.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
27.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.035
28.Sep.16	0.001	0.000	0.000	0.000	0.000	0.000	0.027	0.089	0.343
29.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.054	0.705
30.Sep.16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.028
TOTAL	0.001	0.000	0.000	0.000	0.000	0.000	0.083	1.198	2.582

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.Sep.16	93.860	4440	19:18:56	0	4440	4440	19:18:56	4440	0
02.Sep.16	97.738	4657	15:39:54	0	4657	4657	15:39:54	4657	0
03.Sep.16	95.817	4537	23:13:25	0	4537	4537	23:13:25	4537	0
04.Sep.16	94.104	4687	23:34:13	0	4687	4687	23:34:13	4687	0
05.Sep.16	100.856	4857	15:10:43	0	4857	4857	15:10:43	4857	0
06.Sep.16	102.122	4917	15:33:54	0	4917	4917	15:33:54	4917	0
07.Sep.16	102.156	4946	15:22:55	0	4946	4946	15:22:55	4946	0
08.Sep.16	105.151	5015	15:34:11	0	5015	5015	15:34:11	5015	0
09.Sep.16	106.492	5078	15:11:39	0	5078	5078	15:11:39	5078	0
10.Sep.16	101.669	4857	00:01:44	0	4857	4857	00:01:44	4857	0
11.Sep.16	97.340	4870	23:23:50	3	4873	4873	23:23:50	4870	3
12.Sep.16	102.788	4937	23:00	0	4937	4937	23:00	4937	0
13.Sep.16	102.928	5014	22:58:04	0	5014	5014	22:58:04	5014	0
14.Sep.16	105.245	5061	22:53:09	0	5061	5061	22:53:09	5061	0
15.Sep.16	106.163	5099	23:39:49	0	5099	5099	23:39:49	5099	0
16.Sep.16	108.091	5084	22:51:17	0	5084	5084	22:51:17	5084	0
17.Sep.16	104.551	4932	23:00	0	4932	4932	23:00	4932	0
18.Sep.16	101.324	4969	22:54:10	0	4969	4969	22:54:10	4969	0
19.Sep.16	109.279	5114	23:01:29	51	5165	5165	23:01:29	5114	51
20.Sep.16	110.238	5301	22:50:39	4	5305	5305	22:50:39	5301	4
21.Sep.16	110.496	5280	15:10	1	5281	5281	15:10	5280	1
22.Sep.16	106.974	4977	00:00:01	0	4977	4977	00:00:01	4977	0
23.Sep.16	104.182	4974	23:09:41	0	4974	4974	23:09:41	4974	0
24.Sep.16	101.165	4737	00:00:23	0	4737	4737	00:00:23	4737	0
25.Sep.16	94.280	4733	23:15:18	0	4733	4733	23:15:18	4733	0
26.Sep.16	104.266	4978	23:01:29	0	4978	4978	23:01:29	4978	0
27.Sep.16	105.235	5106	22:55:58	6	5112	5112	22:55:58	5106	6
28.Sep.16	107.595	5098	22:52	58	5156	5166	23:00	5080	86
29.Sep.16	109.038	5263	22:50:28	0	5263	5263	22:50:28	5263	0
30.Sep.16	109.911	5237	23:00	0	5237	5237	23:00	5237	0
TOTAL	3101.054	5301 20.09.16	22:50:39	4	5305 20.09.16	5305	22:50:39	5301	4

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2016 ON 20.09.2016- 5301MW AT 22.50.39HRS.

All figures in MW

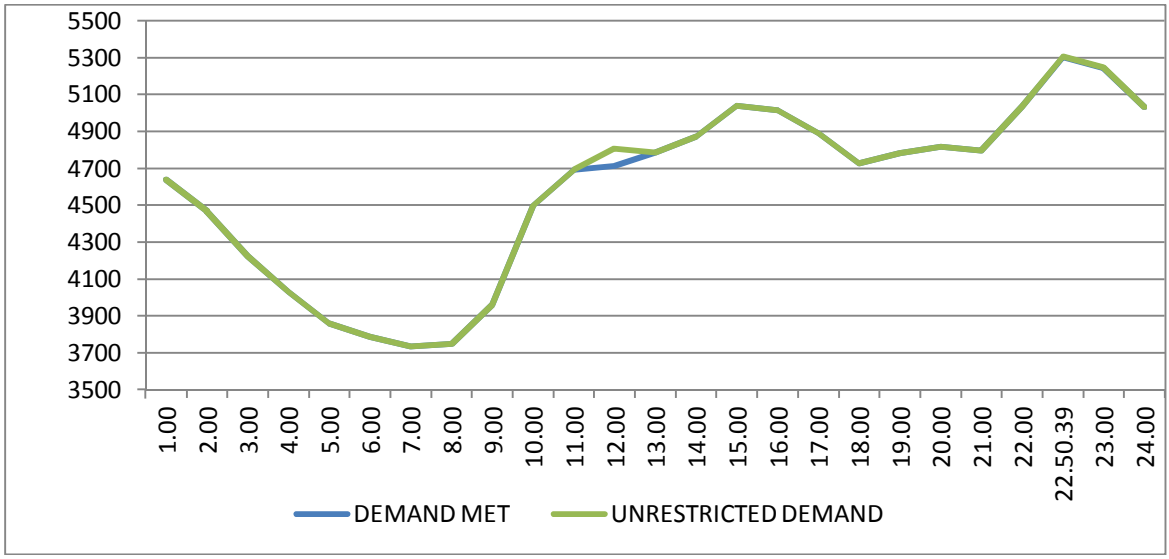
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4639	0	4639
2.00	4467	0	4467
3.00	4224	0	4224
4.00	4030	0	4030
5.00	3860	0	3860
6.00	3787	0	3787
7.00	3734	0	3734
8.00	3748	0	3748
9.00	3959	0	3959
10.00	4497	0	4497
11.00	4692	0	4692
12.00	4714	93	4807
13.00	4787	0	4787
14.00	4871	0	4871
15.00	5037	0	5037
16.00	5013	0	5013
17.00	4888	0	4888
18.00	4726	0	4726
19.00	4783	0	4783
20.00	4816	0	4816
21.00	4796	0	4796
22.00	5035	0	5035
22.50.39	5301	4	5305
23.00	5244	4	5248
24.00	5033	0	5033
Total (IN MUS)	**110.238**	**0.061**	**110.299**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2016 ON 20.09.2016-5305MW AT 22.50.39HRS.

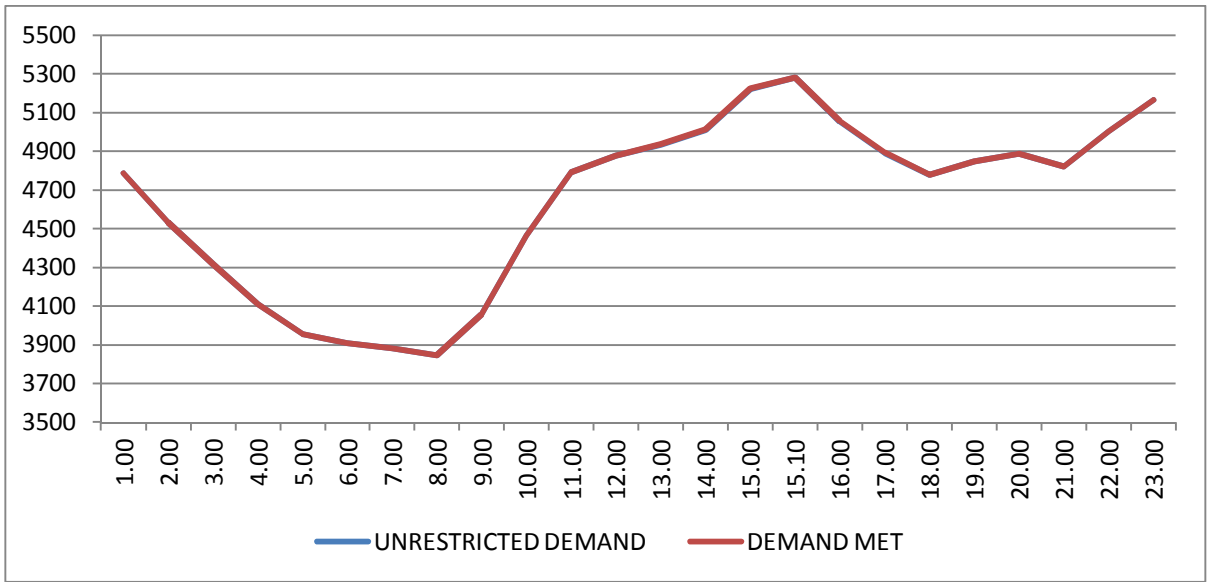
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4639	0	4639
2.00	4467	0	4467
3.00	4224	0	4224
4.00	4030	0	4030
5.00	3860	0	3860
6.00	3787	0	3787
7.00	3734	0	3734
8.00	3748	0	3748
9.00	3959	0	3959
10.00	4497	0	4497
11.00	4692	0	4692
12.00	4714	93	4807
13.00	4787	0	4787
14.00	4871	0	4871
15.00	5037	0	5037
16.00	5013	0	5013
17.00	4888	0	4888
18.00	4726	0	4726
19.00	4783	0	4783
20.00	4816	0	4816
21.00	4796	0	4796
22.00	5035	0	5035
22.50.39	5301	4	5305
23.00	5244	4	5248
24.00	5033	0	5033
Total (IN MUS)	**110.238**	**0.061**	**110.299**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2016 – 21.09.2016 – 110.496Mus All figures in MW

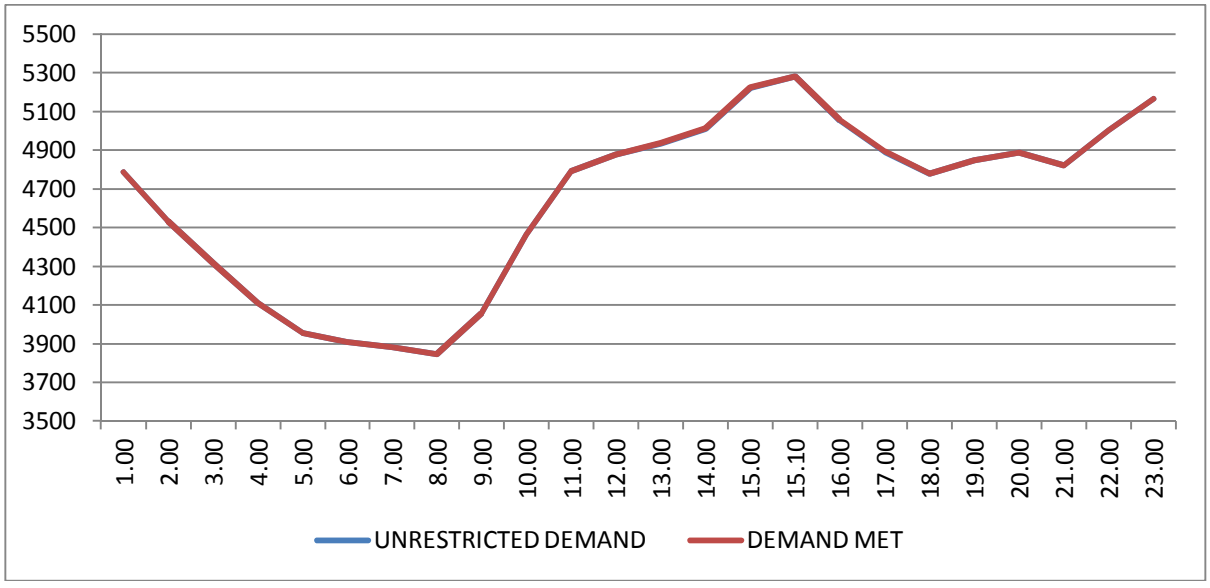
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4785	0	4785
2.00	4531	0	4531
3.00	4316	0	4316
4.00	4112	0	4112
5.00	3955	0	3955
6.00	3910	0	3910
7.00	3881	0	3881
8.00	3846	0	3846
9.00	4059	0	4059
10.00	4463	0	4463
11.00	4791	0	4791
12.00	4879	0	4879
13.00	4933	5	4938
14.00	5011	3	5014
15.00	5223	1	5224
15.10	5280	1	5281
16.00	5052	5	5057
17.00	4890	4	4894
18.00	4778	2	4780
19.00	4847	0	4847
20.00	4886	0	4886
21.00	4823	0	4823
22.00	5003	0	5003
23.00	5164	0	5164
24.00	4977	0	4977
Total (IN MUS)	**110.496**	**0.023**	**110.519**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2016 – 21.09.2016 – 110.519 Mus

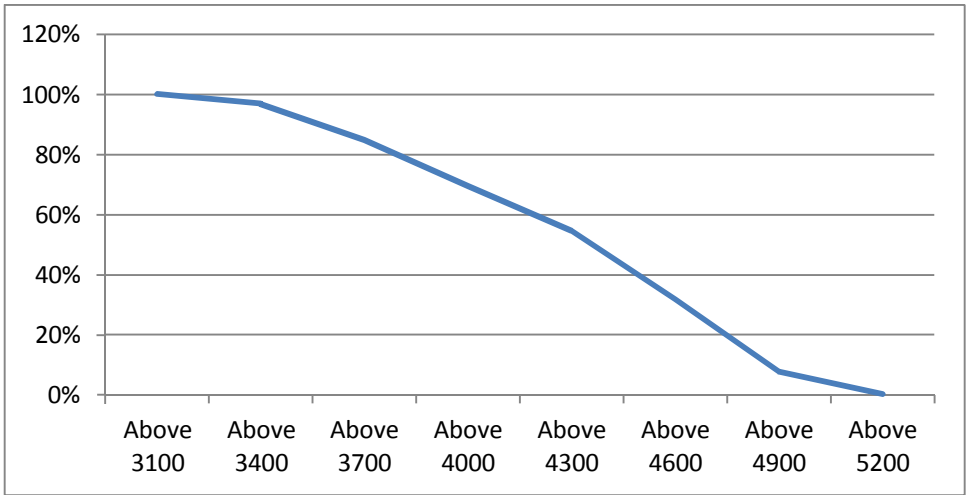
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4785	0	4785
2.00	4531	0	4531
3.00	4316	0	4316
4.00	4112	0	4112
5.00	3955	0	3955
6.00	3910	0	3910
7.00	3881	0	3881
8.00	3846	0	3846
9.00	4059	0	4059
10.00	4463	0	4463
11.00	4791	0	4791
12.00	4879	0	4879
13.00	4933	5	4938
14.00	5011	3	5014
15.00	5223	1	5224
15.10	5280	1	5281
16.00	5052	5	5057
17.00	4890	4	4894
18.00	4778	2	4780
19.00	4847	0	4847
20.00	4886	0	4886
21.00	4823	0	4823
22.00	5003	0	5003
23.00	5164	0	5164
24.00	4977	0	4977
Total (IN MUS)	**110.496**	**0.023**	**110.519**



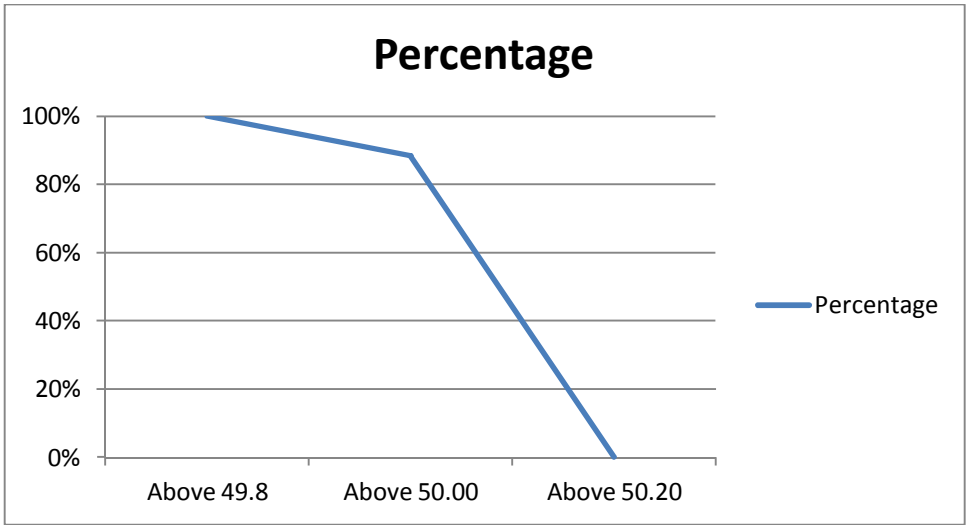
14 LOAD DURATION CURVE FOR SEPTEMBER 2016

Load in MW	Percentage of Time
Above 3100	100%
Above 3400	96.77%
Above 3700	84.83%
Above 4000	69.58%
Above 4300	54.69%
Above 4600	31.84%
Above 4900	7.81%
Above 5200	0.35%



15 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2016

Frequency Range in Hz.	Percentage of time
Above 49.8	100%
Above 50.00	88.37%
Above 50.20	0.03%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING SEPTEMBER 2016

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Sep.16	228.66	215.76	216.53	199.77
02.Sep.16	229.17	212.15	216.41	196.54
03.Sep.16	229.17	213.95	213.83	197.70
04.Sep.16	228.27	212.67	221.69	199.25
05.Sep.16	227.24	211.89	215.12	197.58
06.Sep.16	225.05	211.76	211.76	199.90
07.Sep.16	225.30	212.02	212.02	196.97
08.Sep.16	224.92	210.60	212.02	196.03
09.Sep.16	226.72	211.76	212.54	187.52
10.Sep.16	225.30	213.83	214.08	197.83
11.Sep.16	226.08	215.37	212.79	199.64
12.Sep.16	224.92	211.50	211.12	195.90
13.Sep.16	224.66	215.37	209.31	199.90
14.Sep.16	226.34	214.08	210.86	198.61
15.Sep.16	221.18	214.08	215.24	197.19
16.Sep.16	225.95	212.67	213.31	197.96
17.Sep.16	225.30	213.31	212.02	193.06
18.Sep.16	225.56	214.73	214.47	197.58
19.Sep.16	224.92	212.67	216.41	199.77
20.Sep.16	225.30	212.67	215.63	201.44
21.Sep.16	222.08	215.76	218.60	197.58
22.Sep.16	220.53	220.53	214.08	200.28
23.Sep.16	220.53	220.53	221.18	202.35
24.Sep.16	220.53	220.53	215.76	200.93
25.Sep.16	220.53	220.53	213.85	201.83
26.Sep.16	220.53	220.53	212.54	197.70
27.Sep.16	220.53	220.53	213.83	197.06
28.Sep.16	220.53	220.53	215.63	200.41
29.Sep.16	220.53	220.53	213.44	199.77
30.Sep.16	220.53	220.53	211.12	196.42

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING SEPTEMBER 2016

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Sep.16	411.29	18.01.32	393.7	19.32	399.53
02.Sep.16	416.92	06.06.14	387.37	19.27	404.70
03.Sep.16	417.15	06.01.08	389.72	22.25	402.30
04.Sep.16	413.67	06.04.53	386.20	19.19	401.35
05.Sep.16	413.17	06.04.28	388.54	14.39	398.36
06.Sep.16	410.82	08.01.32	387.61	19.07	398.64
07.Sep.16	410.35	08.02.26	386.90	22.18	398.42
08.Sep.16	411.99	06.01.41	386.43	13.51	397.93
09.Sep.16	411.99	07.02.35	389.01	19.17	399.52
10.Sep.16	410.35	06.06.33	393.23	00.45	398.97
11.Sep.16	396.28	00.04.43	396.28	00.04	396.28
12.Sep.16	406.37	18.02.05	386.43	14.55	395.52
13.Sep.16	407.01	06.03.17	386.43	11.38	396.19
14.Sep.16	411.29	07.02.12	387.84	19.14	398.96
15.Sep.16	410.82	07.00.26	388.54	12.12	400.08
16.Sep.16	413.17	06.04.51	388.78	19.10	398.92
17.Sep.16	409.65	08.00.55	387.84	23.18	398.34
18.Sep.16	409.48	06.22.19	390.42	20.19	398.37
19.Sep.16	408.01	07.01.14	387.37	19.13	397.14
20.Sep.16	407.77	06.03.28	386.20	19.09	396.93
21.Sep.16	406.60	06.05.54	386.20	12.41	397.07
22.Sep.16	412.70	08.02.57	393.23	19.05	403.03
23.Sep.16	411.99	08.04.02	393.47	18.53	401.97
24.Sep.16	411.06	06.04.26	390.19	11.42	401.62
25.Sep.16	411.52	06.06	394.64	23.09	402.05
26.Sep.16	406.13	06.31	388.54	11.36	398.43
27.Sep.16	408.01	07.28	389.25	14.48	398.85
28.Sep.16	408.94	07.06	391.59	12.08	400.48
29.Sep.16	410.12	03.57	384.56	12.35	400.14
30.Sep.16	407.77	07.52	386.90	11.10	399.78

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Sep.16	424.42	06.57	401.91	19.32	414.02
02.Sep.16	425.59	06.07	395.11	19.28	412.65
03.Sep.16	424.42	06.01	397.22	19.17	410.16
04.Sep.16	423.01	06.05	394.64	19.19	410.00
05.Sep.16	421.61	06.03	394.88	14.52	406.04
06.Sep.16	417.15	08.02	393.70	19.09	405.61
07.Sep.16	416.21	06.02	394.88	22.18	404.89
08.Sep.16	419.26	06.02	392.30	14.25	404.79
09.Sep.16	419.03	07.01	395.11	19.14	406.77
10.Sep.16	416.21	06.04	399.33	22.47	406.18
11.Sep.16	418.56	06.04	400.27	14.52	407.99
12.Sep.16	414.57	06.16	395.58	14.56	405.50
13.Sep.16	415.04	06.03	400.27	11.42	406.31
14.Sep.16	418.56	07.02	396.75	19.13	407.35
15.Sep.16	417.15	07.00	399.10	19.27	407.09
16.Sep.16	419.03	06.03	396.28	19.08	406.10
17.Sep.16	416.68	07.29	396.99	19.24	406.31
18.Sep.16	417.15	06.07	399.80	19.09	406.99
19.Sep.16	416.68	07.02	396.05	19.13	405.69
20.Sep.16	416.21	06.03	397.22	19.09	405.80
21.Sep.16	415.98	06.07	395.11	12.38	405.64
22.Sep.16	420.43	08.02	401.68	19.05	411.22
23.Sep.16	420.20	07.02	401.44	18.53	410.97
24.Sep.16	419.73	06.04	400.50	11.38	410.75
25.Sep.16	421.37	06.09	404.02	19.09	411.74
26.Sep.16	415.51	06.16	398.63	11.29	408.22
27.Sep.16	417.86	06.15	396.99	14.49	407.70
28.Sep.16	416.92	07.05	399.33	12.08	408.74
29.Sep.16	416.68	03.59	392.06	12.35	407.90
30.Sep.16	414.81	06.06	397.22	11.25	407.55

18 DETAILS OF LUMPED CAPACITORS AT NEAREST 220 KV SUBSTATION

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
1	IP YARD		30.00		30.00
1	Kamla Market			16.35	16.35
2	Minto Road				0.00
3	GB Pant Hosp			10.48	10.48
4	Delhi Gate			16.30	16.30
5	Tilakmarg			5.04	5.04
7	Cannaught Place			10.08	10.08
8	Kilokri		10.08	10.48	20.56
9	NDSE-II				0.00
11	Nizamuddin				0.00
12	Exhibition-I				0.00
13	Exhibition-II				0.00
14	Defence Colony				0.00
15	IG Stadium		10.08	5.45	15.53
16	Lajpat Nagar				0.00
17	IP Estate			10.90	10.90
		0.00	50.16	85.08	135.24
2	Electric Lane				
1	Electric Lane			5.04	5.04
2	Scindia House			10.44	10.44
3	Mandi House			10.80	10.80
4	Raisina Road			10.08	10.08
5	Raja Bazar			10.08	10.08
		0.00	0.00	46.44	46.44
3	RPH Station		20.00		20.00
1	Lahori Gate			10.49	10.49
2	Jama Masjid			10.48	10.48
4	Kamla Market				0.00
5	Minto Road			10.90	10.90
6	GB Pant Hosp				0.00
7	IG Stadium				0.00
		0.00	20.00	31.87	51.87
4	Parkstreet S/stn	20.00	20.00		40.00
1	Shastri Park		10.90	5.45	16.35
2	Faiz Road			18.05	18.05
3	Motia Khan			16.30	16.30
4	Prasad Nagar			16.25	16.25
5	Anand Parbat			10.80	10.80
6	Shankar Road			10.44	10.44
7	Rama Road			0.00	0.00
8	Baird Road			10.08	10.08
9	Hanuman Road			10.08	10.08
10	Pusa			5.44	5.44
11	Ridge Valley			0.00	0.00
12	B. D. Marg			5.40	5.40
13	Nirman Bhawan			5.04	5.04
		20.00	30.90	113.33	164.23
5	Naraina S/stn		20.00	5.04	25.04
1	DMS			10.85	10.85
2	Mayapuri		10.87	10.40	21.27
3	Inderpuri		13.26	5.04	18.30
4	Rewari line				0.00
5	Khyber Lane		10.05		10.05
6	Kirbi Place		10.05		10.05
7	Payal			10.08	10.08
8	A-21 Naraina			4.80	4.80
8	Saraswati Garden			10.08	10.08
		0.00	64.23	56.29	120.52

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
6	Mehrauli S/stn	80.00		5.04	85.04
1	Adchini			14.61	14.61
2	Andheria Bagh			10.85	10.85
3	IIT			10.90	10.90
4	JNU		10.03	10.03	20.06
5	Bijwasan			15.47	15.47
6	DC Saket		10.08	9.98	20.06
7	Malviya Nagar				0.00
8	C Dot			10.48	10.48
9	Vasant kunj B-Blk	21.79		10.90	32.69
10	Vasant kunj C-Blk	20.16		10.48	30.64
11	Palam				0.00
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
		121.95	30.19	163.61	315.75
7	Vasantkunj S/stn	40.00		5.04	45.04
1	R. K. Puram-II			10.80	10.80
2	Vasant kunj C-Blk				0.00
3	Vasant kunj D-Blk			9.63	9.63
4	Ridge Valley				0.00
		40.00	0.00	25.47	65.47
8	Okhla S/stn	60.00	10.00	5.04	75.04
1	Balaji			10.80	10.80
2	East of Kailash			15.89	15.89
3	Alaknanda			16.30	16.30
4	Malviya Nagar	21.79	20.16	10.85	52.80
5	Masjid Moth			16.30	16.30
6	Nehru Place			21.34	21.34
7	Okhla Ph-I	21.79		16.30	38.09
8	Okhla Ph-II		20.93	15.47	36.40
9	Shivalik			10.80	10.80
10	Batra			15.90	15.90
11	VSNL			10.90	10.90
12	Siri Fort			10.49	10.49
13	Tuglakabad			10.85	10.85
		103.58	51.09	187.23	341.90
9	Lodhi Road S/stn			20.00	20.00
1	Defence Colony			14.85	14.85
2	Hudco			10.90	10.90
3	Lajpat Nagar			10.90	10.90
4	Nizamuddin			10.44	10.44
5	Vidyut Bhawan (Shahjahan Rd)			10.80	10.80
6	Ex. Gr. II			0.00	0.00
7	IHC			0.00	0.00
		0.00	0.00	77.89	77.89
10	Sarita Vihar S/stn	20.00		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
		40.16	10.08	69.48	119.72

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
11	Wazirabad				
1	Bhagirathi		14.40	18.10	32.50
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			14.40	14.40
7	East of Loni Road			18.00	18.00
8	Shastri Park			10.90	10.90
9	Karawal Nagar			5.40	5.40
10	Sonia Vihar			14.70	14.70
		41.95	47.04	150.64	239.63
12	Geeta Colony				
1	Geeta Colony			10.49	10.49
2	Kanti Nagar			18.10	18.10
3	Kailash Nagar			15.48	15.48
4	Seelam Pur				0.00
5	Shakar Pur			10.80	10.80
		0.00	0.00	54.87	54.87
13	Gazipur S/stn	40.00		5.04	45.04
1	Dallupura	28.80		10.90	39.70
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			10.90	10.90
6	MVR-II	20.16		10.44	30.60
7	PPG Ind. Area			10.06	10.06
		109.12	0.00	78.61	187.73
14	Patparganj S/stn	40.00	20.00	5.04	65.04
1	GH-I	19.89		10.45	30.34
2	GH-II	20.09		10.90	30.99
3	CBD		10.03	15.48	25.51
4	Guru Angad Nagar			15.49	15.49
5	Karkadooma		10.80	10.44	21.24
6	Preet Vihar			10.07	10.07
7	CBD-II			10.80	10.80
8	Shakarpur				0.00
9	Jhilmil			10.80	10.80
10	Dilshad Garden	20.16		16.35	36.51
11	Khichripur	21.79		15.89	37.68
12	Mother Dairy				0.00
13	Scope Building				0.00
14	Vivek Vihar				0.00
15	Akhardham			14.60	14.60
		121.93	40.83	146.31	309.07
15	Najafgarh S/stn	60.00		5.04	65.04
1	A4 Paschim Vihar			10.80	10.80
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 (Sagarpur)			17.60	17.60
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
13	DJB Najafgarh			21.60	21.60
		144.45	10.05	185.27	339.77

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
16	Pappankalan-I S/stn	20.00		5.04	25.04
1	Bindapur Grid G-3 PPK	21.73		15.85	37.58
2	Bodella-I	20.10		16.24	36.34
3	Bodella-II	21.73		17.64	39.37
4	DC Janakpuri			10.03	10.03
5	G-2 PPK (Nasirpur)			10.80	10.80
6	G-5 PPK (Matiala)			15.51	15.51
7	G-6 PPK			5.40	5.40
8	G-15 PPK			10.80	10.80
9	Harinagar	21.18		16.25	37.43
10	Rewari line			5.44	5.44
		104.74	0.00	129.00	233.74
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			10.08	10.08
5	Vishal			10.40	10.40
6	Madipur			10.43	10.43
7	Sudershan Park			10.08	10.08
8	Kirti Nagar			5.44	5.44
		0.00	0.00	77.86	77.86
18	Shalimarbagh S/stn		40.00	6.00	46.00
1	S.G.T. Nagar			5.44	5.44
2	Ashok Vihar			0.00	0.00
3	Haiderpur			11.39	11.39
4	SMB FC			12.64	12.64
5	Rani Bagh			5.44	5.44
6	SMB KHOSLA			5.44	5.44
		0.00	40.00	46.35	86.35
19	Subzimandi S/stn			6.00	6.00
1	Shakti Nagar			5.04	5.04
2	Gulabibagh			10.88	10.88
3	Shahzadabagh			15.79	15.79
4	DU			5.44	5.44
5	Tripolia			10.88	10.88
6	B. G. Road			5.40	5.40
		0.00	0.00	59.43	59.43
20	Narela S/stn	40.00		5.04	45.04
1	A-7 Narela			10.88	10.88
2	Azad Pur			5.44	5.44
3	Badli	20.00		5.95	25.95
4	DSIDC Narela-1			5.95	5.95
5	GTK			5.94	5.94
6	Jahangirpuri	20.00	10.00	0.00	30.00
7	Bhalswa			12.64	12.64
8	Pitampura-I	20.00		5.04	25.04
9	RG-1			5.44	5.44
		100.00	10.00	62.32	172.32

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
21	Gopalpur S/stn		30.00	5.04	35.04
1	Hudson Lane			5.95	5.95
2	Wazirabad			7.20	7.20
3	Indra Vihar			5.95	5.95
4	DIFR			5.44	5.44
5	GTK Road			5.44	5.44
6	Jahangirpuri		10.00	5.95	15.95
7	Civil lines			7.20	7.20
8	Pitam Pura-3			5.44	5.44
9	SGT Nagar			5.95	5.95
10	Tiggipur			10.88	10.88
11	Model Town			14.40	14.40
12	Azad Pur			5.44	5.44
		0.00	40.00	90.28	130.28
22	Rohini S/stn	40.00		6.00	46.00
1	Rohini Sec-22			18.08	18.08
2	Rohini Sec-24			5.44	5.44
3	Rohini-3			5.95	5.95
4	Rohini-4			11.39	11.39
5	Rohini-5			11.39	11.39
6	Rohini-6			0.00	0.00
7	Mangolpuri-2	20.00		7.20	27.20
8	Pitam Pura-1			5.44	5.44
9	Pitam Pura-2			10.48	10.48
10	Rohini DC-1			14.40	14.40
11	AIR Kham pur			11.90	11.90
		60.00	0.00	107.67	167.67
23	Kanjhawala S/stn	20.00		5.04	25.04
1	Bawana Clear Water			14.30	14.30
2	Pooth Khoord	20.00		5.44	25.44
4	Rohini -2			13.15	13.15
		40.00	0.00	37.93	77.93
24	BAWANA S/stn				
1	Bawana S/stn No. 6			10.88	10.88
2	Bawana S/stn No. 7			7.20	7.20
		0.00	0.00	18.08	18.08
25	Kashmeregate S/stn			5.04	5.04
1	Civil lines			7.20	7.20
2	Town Hall			8.64	8.64
3	Fountain			5.45	5.45
		0.00	0.00	26.33	26.33
26	Pappankalan-II				
1	DMRC				0.00
2	HASTAL			21.60	21.60
3	GGSH			10.80	10.80
		0.00	0.00	32.40	32.40
27	Trauma Center (AIIMS)				
1	AIIMS		13.26	5.04	18.30
2	Trauma Center			10.08	10.08
3	Netaji Nagar			15.12	15.12
4	Sanjay Camp			10.08	10.08
5	Kidwai Nagar			10.08	10.08
6	SJ Airport			5.04	5.04
7	Race Course			10.44	10.44
		0.00	13.26	65.88	79.14

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
28	MUNDKA				
1	Mangolpuri-I			20.35	20.35
2	Rohini Sec-23	20.00		12.64	32.64
3	66kV Mundka			21.60	21.60
		20.00	0.00	54.59	74.59
29	DSIDC BAWANA				
1	DSIDC NRL-1	20.00			20.00
2	DSIDC NRL-2			16.32	16.32
3	Bawana Clear Water			7.30	7.30
4	Bawana-1			14.40	14.40
		20.00	0.00	38.02	58.02
30	RIDGE VALLEY				
1	Keventry Diary			10.08	10.08
2	Nehru Park			5.04	5.04
3	State Guest House			5.40	5.40
4	Bapu Dham			15.48	15.48
		0.00	0.00	36.00	36.00
31	IP EXTN (PRAGATI)				
1	Vidyut Bhawan			10.08	10.08
2	Dalhousie Road			5.04	5.04
3	National Archives			10.08	10.08
4	School Lane			10.44	10.44
		0.00	0.00	35.64	35.64
32	Wazirpur				
1	Tri Nagar			10.88	10.88
2	Wazirpur-1			17.18	17.18
3	Wazirpur-2			13.20	13.20
4	Ashok vihar			17.80	17.80
5	Azad Pur			5.44	5.44
6	GTK			4.80	4.80
		0.00	0.00	69.30	69.30
33	Peeragarhi				
1	Rani Bagh			5.44	5.44
2	Rani Bagh cc			9.60	9.60
		0.00	0.00	15.04	15.04
34	Rohini-II				
1	Rohini-6			13.15	13.15
		0.00	0.00	13.15	13.15

Utility	**HT**	**LT**	**Total**
BYPL	901.18	102.00	**1003.18**
BRPL	1264.49	242.00	**1506.49**
TPDDL	820.34	119.00	**939.34**
NDMC	253.74	24.00	**277.74**
DTL	753.52	0.00	**753.52**
IPGCL (RPH)	20.00	0.00	**20.00**
MES	20.10	0.00	**20.10**
TOTAL	**4033.37**	**487.00**	**4520.37**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF SEPTEMBER 2016

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.9.16	00:15	220 KV I.P.- RPH CKT-I	1.9.16	00:22	AT RPH CKT. TRIPPED ON 186A, 186B, 152X, 186 ALL PHASE. AT IP CKT. DID NOT TRIP.
2	1.9.16	00:15	220 KV I.P.- RPH CKT-II	1.9.16	00:22	AT RPH CKT. TRIPPED ON 186A, 186B, 152X, 186 ALL PHASE. AT IP CKT. DID NOT TRIP.
3	1.9.16	07:16	SUBZI MANDI 33/11kV, 16MVA Tx-II	1.9.16	07:30	TR. TRIPPED ON 86, DIFFERENTIAL 87.
4	1.9.16	17:41	KANJHAWALA 220/66kV 100MVA Tx-I	12.9.16	21:35	TR. TRIPPED ON DIFFERENTIAL, E/F LV.
5	3.9.16	13:28	220KVBAWANA- ROHINI-2 CKT-II	3.9.16	13:44	AT BAWANA CKT. TRIPPED ON 186A&B, AUTO RECLOSE. AT ROHINI -II CKT. DID NOT TRIP.
6	3.9.16	13:43	220kV BAMNAULI-NAJAFGARH CKT-II	3.9.16	13:49	AT BAMNAULI CKT. TRIPPED ON 186. AT NAJAFGARH CKT. DID NOT TRIP.
7	3.9.16	14:47	220kV MEHRAULI - BTPS CKT. - II	3.9.16	17:15	AT MEHRAULI CKT TRIPPED ON DIST PROT, ZONE-I, DSIT 419MTS, AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-II, DIST 16.9KM.
8	3.9.16	17:35	220KVBAWANA- ROHINI-2 CKT-II	3.9.16	17:49	AT BAWANA CKT. TRIPPED ON 186A&B., AUTO RECLOSE LOCKOUT.
9	3.9.16	19:11	220kV PRAGATI - PARK STREET CKT-I	4.9.16	00:30	AT PRAGATI CKT. TRIPPED ON DIRECTIONAL E/F, 67NX, 50A. AT PARK STREET SUPPLY FAILED
10	3.9.16	19:11	PARKSTREET 220/33kV 100MVA Tx-I	3.9.16	19:41	TR. TRIPPED ON O/C, 51N, E/F 86B RELAY.
11	3.9.16	19:11	PARKSTREET 220/33kV 100MVA Tx-II	3.9.16	19:41	TR. TRIPPED ON O/C, 51N, E/F 86B RELAY.
12	4.9.16	00:04	NARAINA 220/33kV 100MVA Tx-I	4.9.16	15:38	TR. TRIPPED ON BUCH, 30G, TROUBLE ALARM, I/C TRIPPED ON 86, R PHASE, O/C.
13	4.9.16	00:08	NARAINA 220/33kV 100MVA Tx-III	4.9.16	00:23	TR. TRIPPED ON TRIP SUSPENSION RELAY.
14	4.9.16	00:08	NARAINA 220/33kV 100MVA Tx-II	4.9.16	00:23	TR. TRIPPED ON 86, O/C.
15	4.9.16	06:35	PAPPANKALAN-I 220/66kV 100MVA Tx-III	CONTD.		TR. TRIPPED ON DIFFERENTIAL, 86A&B, 30A(BUCHHOLZ), 30D (BUCHHOLZ ALARM), 30H (SUDDEN PRESSURE), 30J (PRESSURE RELEASE TRIP), LEAKAGE IN R&Y PHASE HV BUSHING AND R&Y PHASE LV BUSHING.
16	4.9.16	14:19	220kV GAZIPUR - BTPS CKT	4.9.16	17:35	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 16.8KM.
17	5.9.16	03:33	NARELA 66/33kV, 30MVA Tx	5.9.16	14:43	TR. TRIPPED ON BUCHOLZ, PRV RELAY.
18	5.9.16	10:15	GOPALPUR 33kV 10MVAR CAP. BANK-II	5.9.16	14:34	CAPACITOR BANK TRIPPED ON E/F.
19	6.9.16	19:43	400kV Ballabhgarh-Bamnauli Ckt-II	6.9.16	19:55	CKT. TRIPPED ON DIST PROT, ZONE-III, 186, RYB PHASE.
20	6.9.16	19:58	220kV KANJHAWALA-NAJAFGARH CKT	6.9.16	20:30	AT KANJHAWALA CKT TRIPPED ON 86A. CKT DID NOT TRIP AT NJF.
21	6.9.16	22:05	220kV KANJHAWALA-NAJAFGARH CKT	6.9.16	22:22	AT KANJHAWALA CKT TRIPPED ON D/P,Z-1,DIST-5.1KM. CKT DID NOT TRIP AT NJF.
22	7.9.16	06:50	INDRAPRASTHA POWER 33kV NIZAMUDDIN CKT (BAY-13)	7.9.16	22:02	BUS ISOLATOR INSULATOR DAMAGED.
23	7.9.16	06:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	7.9.16	10:00	TR. TRIPPED ON 95 ABC WITH 33KV I/C-III TRIPPED ON 86 & 51NX.
24	7.9.16	06:50	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	7.9.16	07:25	33KV I/C-I TRIPPED ON 86 & 51 NX.
25	7.9.16	13:20	220kV MEHRAULI - BTPS CKT. - II	7.9.16	14:05	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 15.3KM, R PHASE, E/F. AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 6.523KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
26	9.9.16	13:40	PATPARGANJ 220/33kV 100MVA Tx-IV	9.9.16	14:04	I/C-IV TRIPPED ON 186, E/F.
27	9.9.16	13:40	PATPARGANJ 220/33kV 100MVA Tx-III	9.9.16	14:04	I/C-III TRIPPED ON O/C.
28	9.9.16	13:40	PATPARGANJ 220/33kV 100MVA Tx-I	9.9.16	14:04	I/C -I TRIPPED ON O/C, E/F.
29	10.9.16	10:58	220kV GEETA COLONY- PATPARGANJ CKT -II	10.9.16	15:13	AT GEETA COLONY CKT. TRIPPED ON O/C, TRIP PHASE ABC. AT PATPARGANJ CKT. TRIPPED ON DIST PROT, ZONE-I, 186.
30	11.9.16	10:47	PARKSTREET 220/66kV 100MVA Tx-II	11.9.16	12:45	TR. TRIPPED ON 86A, DIFFERENTIAL RELAY, 30A, BUCH.
31	11.9.16	13:14	220kV MUNDKA-KANJHAWALA CKT	11.9.16	14:13	AT MUNDKA CKT. TRIPPED ON DIST PROT, ZONE-I, R PHASE DIST 13.12KM.
32	11.9.16	14:22	220kV BAMNAULI-NARAINA CKT-II	11.9.16	14:32	AT NARAINA CKT TRIPPED ON 95B, 51N.
33	11.9.16	14:22	NARAINA 220/33kV 100MVA Tx-II	11.9.16	14:35	TR. TRIPPED ON 86.
34	11.9.16	20:43	PARKSTREET 220/33kV 100MVA Tx-II	CONTD.		TR. PUT OFF DUE TO RISE IN OIL TEMPERATURE.
35	12.9.16	10:00	MASJID MOTH 220/33kV 100MVA Tx-II	13.9.16	20:15	I/C TRIPPED ON 86.
36	12.9.16	10:00	MASJID MOTH 33 KV SHIVALIK	13.9.16	20:15	Y PHASE POLE CB OC KT. DAMAGED AND OIL CT LEAKAGE IN CT.
37	13.9.16	00:03	220kV GOPALPUR- MANDOLACKT-II	13.9.16	00:38	AT GOPALPUR CKT. TRIPPED ON DIST PROT, ZONE-I
38	13.9.16	12:26	220kV GEETA COLONY- PATPARGANJ CKT -II	13.9.16	12:40	AT GEETA COLONY CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.87KM. AT PATPARGANJ CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.708KM, E/F., 86.
39	13.9.16	19:17	BAMNAULI 400/220kV 500MVA ICT-II	13.9.16	19:37	LOCK OUT RELAY APPEAR ON THE BREAKER OF THE CKT.
40	14.9.16	14:46	220KV BAWANA-SHALIMARBAGH CKT-II	14.9.16	23:18	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 0.34KM, AT SHALIMARBAGH CKT. DID NOT TRIP.
41	14.9.16	15:40	220kV MEHRAULI - BTPS CKT. - II	14.9.16	16:15	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 13.719KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 3.1KM.
42	14.9.16	18:02	MASJID MOTH 220/33kV 100MVA Tx-II	14.9.16	20:30	TR. PUT OFF DUE TO SPARKING IN Y PHASE BUSHING CLAMP.
43	15.9.16	11:08	220kV BAMNAULI - DIAL CKT-I	15.9.16	11:41	At Bamnauli: Dist prot, A Phase, Zone-I, Dist 5.2Km. Zone-I, Fault current 10.95kA At Dial : Dist Prot, Zone-I, Dist 9.5KM, R ph, Line differential, Fault current 7.95kA
44	15.9.16	11:08	400kV Ballabhgarh-Bamnauli Ckt-II	15.9.16	12:13	At Bamnauli: Dist prot, RYB Phase, Zone-I, 186, 186. At Ballabgarh : Ckt. did not trip.
45	16.9.16	04:52	400kV Ballabhgarh-Bamnauli Ckt-I	16.9.16	07:29	At Bamnauli: Dist prot, RYB Phase, Zone-I, 186, A &B. At Ballabgarh : Dist prot, Zone-II, Main-1, Dist 53kMS. , Main -2 , Dist 54.8kms, B Phase to ground fault, current 7.5kAmps.
46	16.9.16	04:52	400kV Ballabhgarh-Bamnauli Ckt-II	16.9.16	05:07	At Bamnauli: Dist prot, RYB Phase, Zone-I, 186, A &B. At Ballabgarh : Ckt. did not trip.
47	16.9.16	11:06	220kV MUNDKA-NAJAFGARH CKT	16.9.16	11:34	AT MUNDKA CKT. TRIPPED ON 86, AUTO RE CLOSE. AT NAJAFGARH CKT. TRIPPED ON DIST PROT, ZONE-I, 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
48	16.9.16	12:17	220kV BAMNAULI-PAPPANKALAN-II CKT-I	16.9.16	12:47	AT PAPPANKALAN -II CKT. TRIPPED ON DIST PROT, ZONE-I, BN PHASE.
49	16.9.16	12:36	400kV Ballabhgarh-Bamnauli Ckt-II	16.9.16	14:05	AT BAMNAULI CKT. TRIPPED ON 85LO, 186A&B, DIST PROT,DIST 57.17KM. AT BALLABGARH CKT. TRIPPED ON R PHASE, E/F, DIST PROT, DIST 6.3KM.
50	17.9.16	12:44	PARKSTREET 220/66kV 100MVA Tx-II	17.9.16	17:25	TR. TRIPPED ON E/F, 51N, 86.
51	17.9.16	18:13	400kV Ballabhgarh-Bamnauli Ckt-II	17.9.16	18:23	At Bamnauli: Dist prot, RYB Phase, 186, A&B. At Ballabgarh : Ckt. did not trip.
52	17.9.16	18:13	400kV Ballabhgarh-Bamnauli Ckt-I	18.9.16	02:13	At Bamnauli: Dist prot, RYB Phase, Zone-I, Zone-IV, 186, A&B. At Ballabgarh : Dist. Prot., Zone-II & III, Dist 100%. (B –Ph LA found damaged in 400kV Bamnauli yard.)
53	17.9.16	18:13	220kV MEHRAULI - BTPS CKT. - II	17.9.16	22:12	At BTPS : E/F, R- Ph, Dist prot, Zone-I, 4.2Km. At Mehrauli : Dist prot, Zone-I, 11.28 km, (Bottom Phase jumper snapped at Tower No.19.)
54	18.9.16	10:32	220kV MEHRAULI - VASANT KUNJ CKT.-II	18.9.16	11:52	AT MEHRAULI CKT. TRIPPED ON 186, E/F, DIST PROT, DIST 2.78KM. AT VASANT KUNJ CKT. DID NOT TRIP.
55	18.9.16	12:57	220kV MEHRAULI - BTPS CKT. - I	18.9.16	22:53	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.9KM. AT MEHRAULI CKT. DID NOT TRIP.
56	19.9.16	11:17	220kV MEHRAULI - BTPS CKT. - II	19.9.16	11:56	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 5.195KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 14.2KM.
57	19.9.16	12:46	220kV MEHRAULI - BTPS CKT. - II	19.9.16	19:30	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 13.86KM. AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 4.2KM.
58	20.9.16	05:27	NARAINA 33kV KIRBI PLACE CKT-I	20.9.16	11:12	CKT. TRIPPED ON LOW GAS PRESSURE ON CB.
59	20.9.16	11:50	220kV GAZIPUR- PATPARGANJ CKT	20.9.16	12:10	AT PATPARGANJ CKT. TRIPPED ON 186. AT GAZIPUR CKT. DID NOT TRIP.
60	20.9.16	12:26	220kV BAWANA - KANJHAWALA CKT-2	20.9.16	16:43	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.7KM. AT KHANJAWALA CKT. DID NOT TRIP.
61	20.9.16	16:15	220kV GOPALPUR- MANDOLACKT-II	20.9.16	16:33	AT GOPALPUR CKT. TRIPPED ON DIST PROT, ZONE-I, RYB PHASE GEN TRIP. AT MANDOLA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 19.33KM.
62	22.9.16	01:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	22.9.16	02:05	I/C TRIPPED ON O/C, E/F.
63	22.9.16	01:35	INDRAPRASTHA POWER 33kV CONNAUGHT PLACE CKT (BAY-42)	30.9.16	19:10	CKT. TRIPPED ON O/C, B&Y PHASE.
64	22.9.16	01:35	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	22.9.16	02:05	I/C TRIPPED ON E/F.
65	22.9.16	13:17	NARAINA 220/33kV 100MVA Tx-III	22.9.16	13:19	I/C TRIPPED WHILE OPERATION OF BUS COUPLER.
66	22.9.16	13:17	NARAINA 220/33kV 100MVA Tx-II	22.9.16	20:16	I/C TRIPPED ON E/F.
67	22.9.16	17:58	MUNDKA 220/66kV 160MVA Tx-II	22.9.16	21:12	TR. TRIPPED ON DIFFERENTIAL , 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
68	23.9.16	17:13	220kV MEHRAULI - BTPS CKT. - I	23.9.16	22:26	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 4.496KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 12.1KM.
69	23.9.16	20:45	GOPALPUR 220/33kV 100MVA Tx-III	23.9.16	21:04	33KV I/C -III TRIPPED ON O/C.
70	23.9.16	20:45	GOPALPUR 33kV WAZIRABAD-II	24.9.16	20:35	TRIPPED ON E/F, 86. R&Y PHASE BREAKER DAMAGED.
71	26.9.16	12:57	220kV BAMNAULI - DIAL CKT-II	26.9.16	13:20	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 4.127KM. AT DIAL CKT. TRIPPED ON MAIN-I, DIFFERENTIAL TRIP.
72	26.9.16	13:16	220kV GAZIPUR - BTPS CKT	26.9.16	16:20	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, E/F, DIST 16.1KM.
73	27.9.16	22:58	PATPARGANJ 33/11kV, 20MVA Tx	27.9.16	23:15	I/C TRIPPED ON O/C, E/F.
74	27.9.16	23:39	PATPARGANJ 33/11kV, 20MVA Tx	28.9.16	02:50	I/C TRIPPED ON O/C, E/F.
75	28.9.16	11:10	220kV NARELA - MANDOLA CKT-I	28.9.16	15:53	AT NARELA CKT. TRIPPED ON DIST PROT, DIST 4.8KM, 86. AT MANDOLA CKT. TRIPPED ON DIST PROT, DIST 16KM.
76	28.9.16	13:42	RIDGE VALLEY 220/66kV 160MVA Tx-I	28.9.16	16:15	TR. TRIPPED ON 86A&B. 66KV I/C TRIPPED ON 86A&B.
77	28.9.16	17:30	220kV MEHRAULI - BTPS CKT. - II	28.9.16	21:03	AT BTPS CKT. TRIPPED ON DIST PROT. ZONE-I, DIST 10.21KM., E/F. R PHASE. AT MEHRAULI CKT. TRIPPED ON DIST PROT., ZONE-I, DIST 8.361KM.
78	29.9.16	05:15	OKHLA 33kV ALAKNANDA CKT-I	29.9.16	06:29	CKT. TRIPPED ON LOW GAS PRESSURE.
79	29.9.16	12:35	220kV SARITA VIHAR - BTPS CKT.-II	29.9.16	14:18	AT SARITA VIHAR CKT. TRIPPED ON DIST PRO, ZONE II & III, A&B PHSE, DIST 3.62KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 0.6KM. R&Y PHASE.
80	30.9.16	12:25	400kV Dadri-Harsh Vihar Ckt-I	30.9.16	13:08	AT HARSH VIHAR CKT. TRIPPED ON DIST PROT, ZONE-I, B PHASE, 86.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF SEPTEMBER 2016

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