DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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FEBRUARY - 2017

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	FEB. 2016	FEB 2017
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)**	**3849**	**3882**
	Date	03.02.2016	01.02.2017
	Time	09.55.29	10.15.52
3	**Peak Demand met (MW)**	**3845**	**3882**
	Date	03.02.2016	01.02.2017
	Time	09.55.29	10.15.52
4	Peak Availability (MW)	3557	3722
5	Shortage (-) / Surplus (+) in MW	(-) 288	(-) 160
6	Percentage Shortage (-) / Surplus (+)	(-) 7.49	(-) 4.12
7	Maximum Energy Consume in a day (Mus)	64.658	68.602
8	Energy Consumed during the month	**1765.679**	**1706.711**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.049
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	0.407	0.000
	BRPL	0.000	0.041
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.407**	**0.090**
B)	Due to Constraints in System in Mus		
	DTL	0.119	0.192
	NDPL	0.150	0.091
	BRPL	0.423	0.286
	BYPL	0.161	0.027
	NDMC	0.000	0.032
	MES	0.000	0.000
	Other Agencies	0.000	0.019
	Total	**0.854**	**0.647**
11	**Grand Total in Mus**	**1.261**	**0.737**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING FEBRUARY 2017

A) For the month of February 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.211	-0.211	0.00	0.00
2.	**GT**	55.266	1.411	53.855	90.85	106.208
3.	**PPCL**	108.653	2.180	106.473	81.96	70.131
4.	**BTPS**	0.000	-4.290	-4.290	0.00	0.00
5.	**Rithala**	0.000	0.056	-0.056	**89.17**	55.104
6.	**Bawana**	179.007	6.118	172.889	105.81	778.105
7.	**Towmcl**	10.215	1.591	8.624	--	--
8.	**EDWPCL**	0.511	0.425	0.086	--	--
9.	**DMSWL**	1.080	0.492	0.588	--	--
	TOTAL	**354.732**	**8.194**	**337.958**	**--**	**1009.548**

B) For the Year 2016-17 (Upto February 2017)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2017	Availability (%) for Feb 2017	PLF (%) for Feb 2017	Cumulative Generation in MUs upto Feb 2017 for the year 2016-17	Cumulative Availability in % upto Feb 2017 for the year 2016-17	Cumulative PLF in % upto Feb 2017 for the year 2016-17
RPH	135	-0.211	0.00	0.00	0.000	0.00	-0.70
GT	270	53.855	90.85	30.51	638.423	82.54	29.44
PPCL	330	106.473	81.96	49.35	1710.977	89.70	64.84
BTPS	705	-4.290	0.00	0.00	1357.425	37.71	30.85
Rithala	108	-0.056	**89.17**	0.00	0.000	**89.12**	0.00
Bawana	1372	172.889	105.81	19.20	1834.314	78.74	16.70
Towmcl	16	8.624	--	--	129.868	--	--
EDWPCL	--	0.086	--	--	1.181	--	--
DMSWL	--	0.588	--	--	3.200	--	--
TOTAL	2936	**337.958**	**--**	**--**	**5675.388**	**--**	-

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	
		04.10.16	00.25	04.10.16	16.05	Machine tripped as all communication failed . PCAA card failed.
		18.10.16	03.21	18.10.16	06.21	Machine came on FSNL and following alarm appeared. Generator Control panel under voltage. Generator breaker tripped.
		18.10.16	13.45	03.11.16	14.52	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30 (Contd.)	26.11.16	15:47	26.11.16	16:36	Machine came on part load due to tripping of both 160 MVA Tr- 1 &2 after five minutes machine tripped.
		29.11.16	10:50	29.11.16	10:57	Machine came on FSNL as both 160 MVA Tr. Tripped
		29.11.16	13:09	29.11.16	13:17	
		30.11.16	04:30	30.11.16	04:56	
		30.11.16	04:59	30.11.16	05:39	Machine tripped due to grid disturbance.
		30.11.16	06:00	30.11.16	06:25	
		1.12.16	13:25	17.12.16	16:15	Stopped due to low demand and high frequency
		31.12.16	05:25	31.12.16	16:12	Machine tripped due to high TAD
		8.1.17	12:01	8.1.17	17:38	Machine stopped to Replace the Out let of ACW cooling line in GT#3.
		20.1.17	20:01	26.1.17	15:08	Machine stopped due to low schedule from SLDC on CC spot R-LNG.

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	
		18.10.16	17.45	03.11.16	11.30	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30 (Contd)	4.11.16	03:01	4.11.16	05:05	Generator breaker trip alarm appeared on CRT of GT-2. M/c came on FSNL & also showing 8 MW load on CRT.After discussion with C&I, m/c manually tripped by tripping 66 KV breaker.
		26.11.16	15:47	26.11.16	16:28	Machine tripped as both 160 MVA Tr-1 & 2 tripped.
		29.11.16	10:50	29.11.16	10:58	Machine came on FSNL as both 160 MVA Tr. Tripped
		29.11.16	13:09	29.11.16	13:13	Machine came on FSNL as both 160 MVA Tr. Tripped
		30.11.16	04:38	30.11.16	05:12	Machine stopped as per instruction of SLDC.
		30.11.16	06:00	30.11.16	06:56	Machine tripped due to grid disturbance.
		30.11.16	11:44	12.12.16	15:15	Machine stopped due to high TAD and damage to filter house.
		12.12.16	15:15	17.12.16	12:23	Stopped due to low demand and high frequency
		29.12.16	05:52	29.12.16	07:47	Machine tripped on Electrical Trouble Normal shut down with Generater loss of field.
		31.12.16	08:35	31.12.16	08:46	Machine came on FSNL due to tripping of both 160 MVA Inter Connecting Transformer. As per SLDC Grid disturbance occurred due tripping of 220 KV IP to Patpargunj Ckt.
		2.1.17	00:35	2.1.17	09:22	Machine stopped by SLDC due to heavy under drawl by beneficiary.
		8.1.17	12:01	8.1.17	17:32	Machine stopped to Replace the Out let of ACW cooling line in GT#3.
		12.1.17	22:40	12.1.17	23:35	Stopped due to low demand and high frequency
		16.1.17	12:40	27.1.17	08:09	

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	8.1.17	12:00	Stopped due to low demand and high frequency
		8.1.17	12:00	8.1.17	18:00	Machine not available due to Replacement of the Out let valve of ACW cooling line in GT#3.
		8.1.17	18:00	13.1.17	12:58	Stopped due to low demand and high frequency
		13.1.17	13:21	14.1.17	10:40	
		14.1.17	21:40	16.1.17	11:57	
		16.1.17	16:58	18.1.17	13:55	
		18.1.17	17:00	19.1.17	11:03	
		19.1.17	14:15	20.1.17	10:22	
		26.1.17	13:15	26.1.17	16:00	Machinetripped on high TAD
		26.1.17	16:00	28.02.17	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	31.12.16	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	08.01.17	12.00	
		8.1.17	12:00	8.1.17	18:00	Machine not available due to Replacement of the Out let valve of ACW cooling line in GT#3.
		8.1.17	18:00	21.1.17	18:07	Stopped due to low demand and high frequency
		21.1.17	18:13	23.1.17	11:51	
		23.1.17	12:33	28.02.17	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	04.10.16	08.34	Stopped due to low demand and high frequency
		04.10.16	19.00	18.10.16	16.32	
		3.11.16	16:03	10.11.16	12:45	
		11.11.16	00:04	30.11.16	13:18	
		7.12.16	08:35	7.12.16	17:26	Machine stopped due to TAD high.
		17.12.16	15:35	08.01.17	12.00	Stopped due to low demand and high frequency
		8.1.17	12:00	8.1.17	18:00	Machine not available due to Replacement of the Out let valve of ACW cooling line in GT#3.
		8.1.17	18:00	28.02.17	23:59	Machine stopped due to low schedule from SLDC on CC spot R-LNG.

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	05.10.16	16.25	Machine stopped as there was no schedule from SLDC on Spot R-LNG.
		05.10.16	16.25	05.10.16	17.20	Trial run of GT-6 to check the sound & vibn. While shutting down
		05.10.16	17.20	18.10.16	11.25	Stopped due to low demand and high frequency
		3.11.16	13:57	10.11.16	12:12	
		10.11.16	17:01	10.11.16	19:00	Machine tripped on over temperature trip.
		10.11.16	19:00	01.12.16	12.30	Machine made available by Maintenance division but not taken on load due low schedule from beneficiary.
		17.12.16	19:40	8.1.17	12:00	Stopped due to low demand and high frequency
		8.1.17	12:00	8.1.17	18:00	Machine not available due to Replacement of the Out let valve of ACW cooling line in GT#3.
		8.1.17	18:00	28.02.17	23:59	Machine stopped due to low schedule from SLDC on CC 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.
		06.10.16	17.02	06.10.16	18.46	Machine stopped to attend hot spot on Y-phase bushing of STG#1 unit Transformer.
		07.10.16	11.52	07.10.16	12.34	Due to Jerk , equipments like BFP,CEP & ACW tripped. Equiments restarted again jerk observed and the equipments BFP.CEP and ACW tripped and machine tripped on low vacuum.
		18.10.16	17.45	03.11.16	13.38	Stopped due to low demand and high frequency
		25.11.16	13:26	25.11.16	15:28	Due to Sudden jerk 7.5 MVA tr. Tripped on earth fault relay leading to failure of auxilary supply to critical auxilaries like BFP,CEP and machine tripped. .
		26.11.16	15:47	26.11.16	18:20	Machine tripped as both 160 MVA Tr-1 & 2 tripped.
		29.11.16	10:50	29.11.16	12:02	
		29.11.16	13:09	29.11.16	13:55	
		30.11.16	04:30	30.11.16	09:50	
		1.12.16	13:25	17.12.16	15:30	Stopped due to low demand and high frequency
		31.12.16	08:35	31.12.16	11:43	Machine tripped as Auxiliary supply failed due to tripping of both 160 MVA Inter Connecting Transformer. As per SLDC Grid disturbance occurred due tripping of 220 KV IP to Patpargunj Ckt.
		8.1.17	12:01	8.1.17	19:02	Machine stopped to Replace the Out let of ACW cooling line in GT#3.
		20.1.17	20:01	26.1.17	18:05	Stopped due to low demand and high frequency
		13.2.17	12:29	13.2.17	14:10	Machine tripped due to low vaccum. Running BFP-1B tripped and stand by BFP was under PTW. Efforts were made to save the tripping but due to low drum pressure sbsequently reduction in PRDS pr machine tripped on low vaccum.

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	19.10.16	14.00	Stopped due to low demand and high frequency
		19.10.16	14.00	20.10.16	23.59	Fire broke down in some control and power cables near CEP- 2A after that machine taken for major overhauling which was already planned from 20/10/2016 to 14/11/2016.
		21.10.16	00.00	14.01.17	21.08	Planned outage from 21.10.2016 to 20.11.2016
		14.1.17	21:15	20.1.17	13:04	Machine was under testing after O/h
		23.1.17	13:30	23.1.17	18:20	Machine stopped to attend Control Valve Pin which was dislocated from its position.
		26.1.17	13:15	26.1.17	16:00	Machine tripped due to tripping of GT#3 as it was running on single HRSG#3.
		26.1.17	16:00	28.02.17	23:59	machine available but not taken on load due to low schedule from SLDC on CC Spot.

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	04.10.16	13.14	Machine stopped as per sSLDC to maintain only 36 MW generation.
		04.10.16	19.00	18.10.16	13.25	Stopped due to low demand and high frequency
		3.11.16	16:03	10.11.16	14:15	
		11.11.16	00:04	30.11.16	16:56	
		17.12.16	19:40	08.01.17	12.00	
		8.1.17	12:00	8.1.17	18:00	Machine not available due to Replacement of the Out let valve of ACW cooling line in GT#3.
		8.1.17	18:00	28.02.17	23:59	Stopped due to low demand and high frequency

(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	04.10.16	21.42	Unit stopped for CI.
		05.10.16	01.11	05.10.16	02.46	Stopped after trial run (VT supply failure)
		05.10.16	07.27	16.10.16	18.36	Generator cooler / winder problem attended during CI
		16.10.16	22.35	31.10.16	23.59	Stopped due to low demand and high frequency
		01.11.16	00.00	07.11.16	13.05	Stopped due to low demand and high frequency
		26.11.16	09.48	26.11.16	13.30	Stopped due to abnormal sound
		26.11.16	15.43	26.11.16	16.36	Unit tripped on grid disturbance
		28.11.16	19.29	28.11.16	22.30	Stopped due to fire at filter house
		28.11.16	22.30	29.11.16	01.00	Stopped due to low demand and high frequency
		29.11.16	01.00	29.11.16	20.12	R Phse dead dnd insulator damaged
		30.11.16	04.45	30.11.16	09.41	Unit tripped on grid disturbance
		20.12.16	19.57	31.01.17	09.22	Stopped due to low demand and high frequency
		04.02.17	07.32	04.02.17	10.00	Unit tripped due to internal fault
		04.02.17	10.00	06.02.17	23.49	Stopped due to low demand and high frequency
		07.02.17	00.00	17.02.17	11.10	Unit tripped due to internal fault
		17.02.17	12.10	28.02.17	23.59	Unit tripped due to internal fault

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
		01.10.16	15.13	01.10.16	16.00	G.T. -2 & STG tripped on grid disturbance
		08.10.16	13.28	08.10.16	14.15	
		30.11.16	03.13	30.11.16	07.40	GT#2 tripped on grid disturbance
		30.11.16	14.00	30.11.16	23.30	Stopped for inlet air filter
		30.11.16	23.30	01.12.16	06.05	Stopped due to low demand and high frequency
		10.12.16	08.40	10.12.16	09.39	G.T. -2 & STG tripped on grid disturbance
		10.12.16	15.23	10.12.16	15.40	
		16.12.16	22.00	17.12.16	20.45	Unit stopped for compressor washing.
		17.12.16	20.45	19.12.16	04.42	Stopped due to low demand and high frequency
		26.01.17	00.00	27.01.17	05.25	
		31.01.17	10.36	04.02.17	07.55	Unit stopped to attend hot spot.
		14.02.17	08.27	14.02.17	10.03	G.T. -2 & STG tripped on grid disturbance

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
		01.10.16	15.13	01.10.16	16.52	G.T. -2 & STG tripped on grid disturbance
		03.10.16	16.16	03.10.16	17.09	Unit tripped on grid disturbance
		08.10.16	13.28	08.10.16	14.59	
		30.11.16	03.13	30.11.16	08.40	
		10.12.16	08.40	10.12.16	10.02	G.T. -2 & STG tripped on grid disturbance
		10.12.16	15.23	10.12.16	16.18	
		26.01.17	00.00	27.01.17	07.56	Stopped due to low demand and high frequency
		04.02.17	07.32	04.02.17	09.37	Unit tripped as GT-1 Tripped
		14.02.17	08.27	14.02.17	11.39	G.T. -2 & STG tripped on grid disturbance
		27.02.17	15.27	27.02.17	16.18	Unit stopped to attend hot spot.

(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	28.02.17	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	28.02.17	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	28.02.17	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
		01.10.16	15.39	01.10.16	19.57	Unit tripped on grid disturbance
		06.11.16	17.14	07.01.17	23.59	
		08.01.17	00.00	28.02.17	23.59	Planned shutdown

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.
		01.10.16	15.39	01.10.16	18.57	Tripped due to grid disturbance
		01.10.16	19.02	01.10.16	19.20	Generator protection system
		05.10.16	03.45	07.10.16	08.54	Reheater tube leakage
		17.10.16	21.11	03.12.16	24.00	
		04.12.16	00.00	20.12.16	24.00	
		21.12.16	00.00	28.02.17	23.59	Planned shutdown

(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	06.12.16	12.00	Machine tripped due to compressor stalling alarm
		06.12.16	12.00	07.12.16	22.06	Stopped due to low demand and high frequency
		09.12.16	01.26	09.12.16	04.57	Machine tripped oninternal fault.
		09.12.16	10.28	09.12.16	11.38	
		07.02.17	19.20	28.02.17	23.59	Stopped due to low demand and high frequency

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	30.11.16	23.59	Stopped due to low demand and high frequency
		08.12.16	06.35	28.02.17	23.59	

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	30.11.16	23.59	Stopped due to low demand and high frequency
		04.12.16	07.07	04.12.16	09.16	
		07.12.16	08.16	07.12.16	11.55	
		09.12.16	01.27	09.12.16	08.48	
		09.12.16	10.28	09.12.16	12.28	
		07.02.17	19.24	28.02.17	23.59	

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	
		07.10.16	11.43	07.10.16	15.48	Machine tripped due to stator earth fault.
		14.10.16	17.30	28.02.17	23.59	Stopped due to low demand and high frequency

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	
		05.10.16	13.00	14.10.16	13.30	
		29.10.16	00.02	31.10.16	23.59	
		01.11.16	00.00	09.11.16	23.59	
		30.11.16	08.50	30.11.16	17.43	Unit desynchronised as inlet air DP high.
		30.11.16	17.43	07.02.17	17.39	Stopped due to low demand and high frequency

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.
		07.10.16	11.43	07.10.16	17.48	STG desynchronized due to trippeing of unit -3
		18.10.16	03.55	18.10.16	10.10	Machine tripped due to internal problem
		29.10.16	00.03	31.10.16	23.59	Stopped due to low demand and high frequency
		01.11.16	00.00	10.11.16	04.07	
		10.11.16	05.38	10.11.16	07.44	Unit desynchronised on internal fault.
		11.11.16	14.57	11.11.16	15.34	Unit desynchronised on internal fault.
		30.11.16	08.52	30.11.16	17.43	STG#2 desynchronised as inlet air DP high.
		30.11.16	17.43	07.02.17	18.46	Stopped due to low demand and high frequency
		12.02.17	20.15	07.02.17	21.36	Unit tripped on cold gas temp high.

(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	28.02.17	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	28.02.17	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	28.02.17	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**

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 FEBRUARY 2017

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	East Delhi	DMSWL	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	10:15:52	0	75	164	0	302	15	0	0	-3	553	3329	3169	160	3882	0	3882
2	10:01:03	0	75	160	0	297	15	0	5	-3	544	3082	3127	-45	3626	27	3653
3	09:55:40	0	75	161	0	300	13	0	0	-3	546	3283	3161	122	3829	0	3829
4	10:57:39	0	73	156	0	297	10	0	0	-3	533	3120	3033	87	3653	0	3653
5	10:15:27	0	73	157	0	255	2	0	0	-3	484	3180	3015	165	3664	0	3664
6	10:00:51	0	74	159	0	281	9	0	0	0	523	3074	3072	2	3597	0	3597
7	09:45	0	73	161	0	310	12	0	0	0	556	3020	3056	-36	3576	0	3576
8	09:56:21	0	74	160	0	307	15	0	0	0	556	3148	2957	191	3704	0	3704
9	10:22:28	0	73	158	0	325	14	0	3	0	570	3013	3015	-2	3583	0	3583
10	09:54	0	74	160	0	313	13	0	0	0	560	3229	2972	257	3789	0	3789
11	09:59:00	0	73	159	0	329	16	0	0	0	577	3187	2941	246	3764	0	3764
12	10:30	0	74	158	0	272	15	0	3	0	519	2991	2951	40	3510	0	3510
13	09:46:41	0	74	159	0	249	15	0	6	0	497	3038	2974	64	3535	0	3535
14	10:11:29	0	72	15	0	330	15	6	6	0	432	3205	2964	241	3637	0	3637
15	10:01:43	0	73	158	0	251	15	6	6	0	497	3112	2979	133	3609	5	3614
16	09:46:39	0	72	158	0	250	16	6	7	0	496	2990	2930	60	3486	0	3486
17	10:26:22	0	71	157	0	286	6	0	0	0	520	3158	3027	131	3678	0	3678
18	10:01:42	0	72	153	0	251	15	2	2	0	491	2905	2845	60	3396	0	3396
19	10:18:24	0	69	155	0	250	7	2	2	0	481	2904	2825	79	3385	0	3385
20	09:53:53	0	70	153	0	252	9	0	0	0	484	2986	2877	109	3470	0	3470
21	10:26:29	0	72	157	0	250	14	0	0	0	493	2902	2842	60	3395	0	3395
22	10:28:44	0	70	156	0	251	12	0	0	0	489	2930	2834	96	3419	0	3419
23	09:45:36	0	73	158	0	251	14	0	0	0	496	2865	2823	42	3361	0	3361
24	10:11:39	0	73	159	0	319	10	0	0	0	561	3062	2910	152	3623	29	3652
25	10:17:02	0	74	158	0	322	16	0	2	0	572	2741	2607	134	3313	0	3313
26	09:47:10	0	74	157	0	255	16	0	0	0	502	2708	2708	0	3210	0	3210
27	10:00	0	73	157	0	250	14	0	11	0	505	2820	2737	83	3325	0	3325
28	10:01:59	0	71	153	0	315	14	0	14	0	553	2800	2759	41	3353	0	3353

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING FEBRUARY 2017

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	East Delhi	DMS WL	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	10:15:52	0	75	164	0	302	15	0	0	-3	553	3329	3169	160	3882	0	3882
2	10:01:03	0	75	160	0	297	15	0	5	-3	544	3082	3127	-45	3626	27	3653
3	09:55:40	0	75	161	0	300	13	0	0	-3	546	3283	3161	122	3829	0	3829
4	10:57:39	0	73	156	0	297	10	0	0	-3	533	3120	3033	87	3653	0	3653
5	10:15:27	0	73	157	0	255	2	0	0	-3	484	3180	3015	165	3664	0	3664
6	10:00:51	0	74	159	0	281	9	0	0	0	523	3074	3072	2	3597	0	3597
7	09:45	0	73	161	0	310	12	0	0	0	556	3020	3056	-36	3576	0	3576
8	09:56:21	0	74	160	0	307	15	0	0	0	556	3148	2957	191	3704	0	3704
9	10:22:28	0	73	158	0	325	14	0	3	0	570	3013	3015	-2	3583	0	3583
10	09:54	0	74	160	0	313	13	0	0	0	560	3229	2972	257	3789	0	3789
11	09:59:00	0	73	159	0	329	16	0	0	0	577	3187	2941	246	3764	0	3764
12	10:30	0	74	158	0	272	15	0	3	0	519	2991	2951	40	3510	0	3510
13	09:46:41	0	74	159	0	249	15	0	6	0	497	3038	2974	64	3535	0	3535
14	10:11:29	0	72	15	0	330	15	6	6	0	432	3205	2964	241	3637	0	3637
15	10:01:43	0	73	158	0	251	15	6	6	0	497	3112	2979	133	3609	5	3614
16	09:46:39	0	72	158	0	250	16	6	7	0	496	2990	2930	60	3486	0	3486
17	10:26:22	0	71	157	0	286	6	0	0	0	520	3158	3027	131	3678	0	3678
18	10:01:42	0	72	153	0	251	15	2	2	0	491	2905	2845	60	3396	0	3396
19	10:18:24	0	69	155	0	250	7	2	2	0	481	2904	2825	79	3385	0	3385
20	09:53:53	0	70	153	0	252	9	0	0	0	484	2986	2877	109	3470	0	3470
21	10:26:29	0	72	157	0	250	14	0	0	0	493	2902	2842	60	3395	0	3395
22	10:28:44	0	70	156	0	251	12	0	0	0	489	2930	2834	96	3419	0	3419
23	09:45:36	0	73	158	0	251	14	0	0	0	496	2865	2823	42	3361	0	3361
24	10:11:39	0	73	159	0	319	10	0	0	0	561	3062	2910	152	3623	29	3652
25	10:17:02	0	74	158	0	322	16	0	2	0	572	2741	2607	134	3313	0	3313
26	09:47:10	0	74	157	0	255	16	0	0	0	502	2708	2708	0	3210	0	3210
27	10:00	0	73	157	0	250	14	0	11	0	505	2820	2737	83	3325	0	3325
28	10:01:59	0	71	153	0	315	14	0	14	0	553	2800	2759	41	3353	0	3353

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR FRBRUARY 2017

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

A (i) RPH	0.000
(ii) GT+STG	55.266
(iii) PRAGATI	108.653
(iv) RITHALA	0.000
(v) BAWANA CCGT	179.007
(vi) Timarpur ï Okhla	10.215
EDWPCL	0.511
DMSWL	1.080
TOTAL	354.732
B) AVAILABILITY FROM BTPS	-4.772
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	12.484
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**337.476**

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	5.594	5.403	5.597	5.405
SALAL	16.155	15.596	16.155	15.596
SASAN	280.291	270.394	275.235	265.531
TANKAPUR	0.544	0.525	0.544	0.525
CHAMERA	7.646	7.377	7.646	7.377
CHAMERA -II	5.500	5.310	5.500	5.310
CHAMERA -III	0.000	0.000	0.000	0.000
DHAULIGANGA	2.778	2.680	2.778	2.680
SEWA -2	9.341	9.013	9.341	9.013
URI	29.337	28.330	29.337	28.330
URI-II	18.267	17.636	18.267	17.636
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	8.591	8.295	8.591	8.295
PARBATI3	1.415	1.365	1.415	1.365
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	5.160	5.020	1.511	1.470
ANTA (RLNG)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	24.290	23.390	0.000	0.000
DADRI (GAS)	14.333	13.780	3.650	3.514
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	40.209	38.784	0.000	0.000
AURAIYA (GAS)	3.712	3.610	1.954	1.901
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	43.283	41.726	0.000	0.000
SINGRAULI	82.193	79.276	76.466	73.744
RIHAND -I	32.406	31.264	27.269	26.300
RIHAND -II	81.221	78.355	67.937	65.525
RIHAND -III	85.882	82.855	74.049	71.427
UNCHAHAR-I	15.621	15.069	11.309	10.906
UNCHAHAR-II	30.455	29.380	22.697	21.888
UNCHAHAR-III	18.789	18.126	14.069	13.567
DADRI (TH)	492.040	474.685	166.906	160.991

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
DADRI (TH) STAGE-II	490.728	473.412	196.898	189.925
NAPP	29.676	28.628	29.676	28.628
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	34.566	33.345	34.566	33.345
NATHPA JHAKRI	16.907	16.311	12.613	12.168
DULASTI	10.315	9.950	10.315	9.950
TEHRI	14.184	13.692	14.184	13.692
JHAJJAR	439.485	423.922	41.438	40.192
KHELGAON	30.827	29.742	19.988	19.278
KHELGAON-II	85.584	82.681	63.537	61.375
FARAKA	13.791	13.304	9.581	9.238
TALA	1.413	1.362	1.413	1.362
TALCHER	0.000	0.000	0.000	0.000
DVC	183.626	181.633	181.633	175.104
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.179	0.176	0.176	0.171
MEGHALAYA	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.077	0.076	0.076	0.074
METHON POWER(NDPL)LT-06	167.391	165.515	165.515	159.646
DVC MEJIA (LT-08)(BYPL)	52.873	52.296	52.296	50.419
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.178	0.176	0.176	0.171
HIMACHAL PRADESH	0.743	0.729	0.729	0.704
PUNJAB	6.289	6.196	6.196	5.969
UTTAR PRADESH	2.804	2.722	2.722	2.626
ORISSA	1.247	1.233	1.233	1.188
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	6.294	6.187	6.187	5.938
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.489	3.396	3.396	3.277
RAJASTHAN(SOLAR) BYPL - LT-35	3.516	3.423	3.423	3.303
RAJASTHAN(SOLAR) TPDDL LT-31	3.415	3.325	3.325	3.208
TO JAMMU & KASHMIR	-22.813	-23.139	-23.139	-23.986
TO ASSAM	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-18.519	-18.995	-18.995	-19.701
TO UTTAR PRADESH	-28.731	-29.719	-29.719	-30.781
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO GOA	-5.358	-5.480	-5.480	-5.680
TO BIHAR	-21.230	-21.627	-21.627	-22.417
TO RAJASTHAN	-54.997	-56.934	-56.934	-59.010
TO NEPAL	-18.154	-18.413	-18.413	-19.087
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)	83.561	80.383	83.561	80.383
TO POWER EXCHANGE (IEX)	-140.911	-146.001	-140.911	-146.001

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
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)	-16.144	-16.735	-16.144	-16.735
TO SHARE PROJECT (PUNJAB)	-16.144	-16.735	-16.144	-16.735
TOTAL	**2695.214**	**2587.286**	**1445.570**	**1369.503**

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	1460.324	1408.733	664.716	641.159
NTPC - ER	130.202	125.726	93.105	89.892
NHPC	106.893	103.186	106.896	103.189
NPC	64.242	61.973	64.242	61.973
SASAN	280.291	270.394	275.235	265.531
KOTESHWAR	8.591	8.295	8.591	8.295
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	16.907	16.311	12.613	12.168
TEHRI	14.184	13.692	14.184	13.692
TALA	1.413	1.362	1.413	1.362
JHAJJAR	439.485	423.922	41.438	40.192
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.489	3.396	3.396	3.277
RAJASTHAN SOLAR(BYPL)T-35	3.516	3.423	3.423	3.303
RAJASTHAN SOLAR(TPDDL)T-31	3.415	3.325	3.325	3.208
DVC	183.626	181.633	181.633	175.104
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.179	0.176	0.176	0.171
MEGHALAYA	0.000	0.000	0.000	0.000
UTTRANCHAL	0.000	0.000	0.000	0.000
ASSAM	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.077	0.076	0.076	0.074
METHON POWER (NDPL)-LT-06	167.391	165.515	165.515	159.646
DVC MEJIA (LT-08)(BYPL)	52.873	52.296	52.296	50.419
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.178	0.176	0.176	0.171
HIMACHAL PRADESH	0.743	0.729	0.729	0.704
PUNJAB	6.289	6.196	6.196	5.969
UTTAR PRADESH	2.804	2.722	2.722	2.626
ORISSA	1.247	1.233	1.233	1.188
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	6.294	6.187	6.187	5.938
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	83.561	80.383	83.561	80.383
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3038.216**	**2941.063**	**1739.077**	**1729.635**

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	-22.813	-23.139	-23.139	-23.986
TO ASSAM	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-18.519	-18.995	-18.995	-19.701
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-28.731	-29.719	-29.719	-30.781
TO GOA	-5.358	-5.480	-5.480	-5.680
TO BIHAR	-21.230	-21.627	-21.627	-22.417
TO RAJASTHAN	-54.997	-56.934	-56.934	-59.010
TO NEPAL	-18.154	-18.413	-18.413	-19.087
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)	-140.911	-146.001	-140.911	-146.001
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-16.144	-16.735	-16.144	-16.735
TO SHARE PROJECT (PUNJAB)	-16.144	-16.735	-16.144	-16.735
TOTAL	**-343.001**	**-353.777**	**-347.507**	**-360.132**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2695.214**	**2587.286**	**1445.570**	**1369.503**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1719.195
NET CONSUMPTION		**1706.711**
AVAILABILITY WITHIN DELHI		337.476
ACTUAL DRAWAL FROM THE GRID		1369.235
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-0.268
LOAD SHEDDING		0.737
UNRESTRICTED DEMAND (GROSS)		1719.932
UNRESTRICTED DEMAND (NET)		1707.448
MAX. NET CONSUMPTION		68.602 ON 08.02.2017
MAX. LOAD SHEDDING		178MW ON 14.02.2017 AT 08.26HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3882MW AT 10.15.52HRS ON 01.02.2017	0 MW
EVENING PEAK	3271MW AT 19.00HRS ON 03.02.2017	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	30.46%
	PRAGATI	49.00%
	RITHALA	0.00%
	BAWANA	19.43%
	Timarpur Okhla	95.01%
	EDWPCL	4.90%
	DMSWL	5.19%

9 SHEDDING DETAILS DURING THE MONTH OF FEBRUARY 2017.

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.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.Feb.17	2	0.010	0.039	0.000	0.000	**0.049**	0.000	0.000	0.000	0.000	0.000
15.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.041	0.000	0.000	0.000
25.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Feb.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**2**	**0.010**	**0.039**	**0.000**	**0.000**	**0.049**	**0.000**	**0.041**	**0.000**	**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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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**
07.Feb.17	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**
08.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.049**
15.Feb.17	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.Feb.17	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**
17.Feb.17	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.Feb.17	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.Feb.17	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**
20.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.041**	**0.041**
25.Feb.17	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.Feb.17	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.Feb.17	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.Feb.17	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**	**0.000**	**0.000**	**0.000**	**0.041**	**0.090**

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.Feb.17	0.000	0.011	0.000	0.000	0.000	0.004	0.069	0.000	0.000
02.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000
03.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
04.Feb.17	0.002	0.000	0.000	0.000	0.000	0.000	0.014	0.001	0.000
05.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
06.Feb.17	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.002	0.000
07.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.005	0.000
08.Feb.17	0.014	0.000	0.000	0.000	0.000	0.000	0.016	0.001	0.000
09.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000
10.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
11.Feb.17	0.001	0.072	0.000	0.000	0.000	0.005	0.002	0.000	0.000
12.Feb.17	0.000	0.003	0.000	0.000	0.000	0.002	0.009	0.000	0.000
13.Feb.17	0.007	0.028	0.005	0.000	0.000	0.000	0.000	0.004	0.000
14.Feb.17	0.003	0.021	0.000	0.001	0.000	0.000	0.000	0.000	0.000
15.Feb.17	0.000	0.001	0.002	0.000	0.000	0.000	0.013	0.014	0.000
16.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0001	0.000
17.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
18.Feb.17	0.003	0.000	0.000	0.000	0.000	0.010	0.020	0.020	0.000
19.Feb.17	0.011	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
20.Feb.17	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.032
21.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
23.Feb.17	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
25.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000
26.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
27.Feb.17	0.000	0.000	0.003	0.000	0.000	0.001	0.000	0.000	0.000
28.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
TOTAL	**0.043**	**0.138**	**0.010**	**0.001**	**0.000**	**0.027**	**0.286**	**0.070**	**0.032**

ALL FIGURES IN MUs

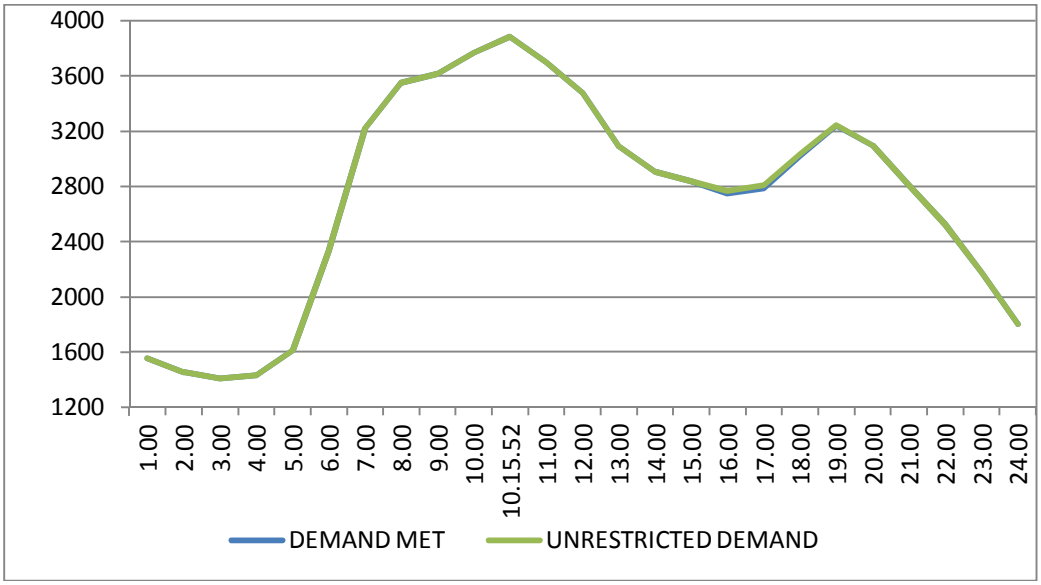
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.084**	**0.084**
02.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
03.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
04.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
05.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
06.Feb.17	0.000	0.016	0.003	0.000	0.000	0.000	0.000	**0.026**	**0.026**
07.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
08.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.031**	**0.031**
09.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.035**	**0.035**
10.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
11.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.080**	**0.080**
12.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.018**	**0.018**
13.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.044**	**0.044**
14.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.074**
15.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.030**	**0.030**
16.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.0001**
17.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
18.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.053**	**0.053**
19.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
20.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.043**	**0.043**
21.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
22.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
23.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
24.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.017	**0.021**	**0.062**
25.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.036**	**0.036**
26.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
27.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
28.Feb.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
TOTAL	**0.000**	**0.016**	**0.003**	**0.000**	**0.000**	**0.000**	**0.021**	**0.647**	**0.737**

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.17	**61.908**	**3882**	10:15:52	0	**3882**	**3882**	10:15:52	**3882**	0
02.Feb.17	**62.334**	**3631**	10:01:03	27	**3658**	**3658**	10:01:03	**3631**	27
03.Feb.17	**63.938**	**3829**	09:55:40	0	**3829**	**3829**	09:55:40	**3829**	0
04.Feb.17	**60.380**	**3653**	10:57:39	0	**3653**	**3653**	10:57:39	**3653**	0
05.Feb.17	**57.442**	**3664**	10:15:27	0	**3664**	**3664**	10:15:27	**3664**	0
06.Feb.17	**60.703**	**3597**	10:00:51	0	**3597**	**3597**	10:00:51	**3597**	0
07.Feb.17	**61.748**	**3576**	09:45	0	**3576**	**3576**	09:45	**3576**	0
08.Feb.17	**68.602**	**3704**	09:56:21	0	**3704**	**3704**	09:56:21	**3704**	0
09.Feb.17	**63.552**	**3586**	10:22:28	0	**3586**	**3586**	10:22:28	**3586**	0
10.Feb.17	**64.464**	**3789**	09:54	0	**3789**	**3789**	09:54	**3789**	0
11.Feb.17	**59.858**	**3773**	09:59:00	0	**3773**	**3773**	09:59:00	**3773**	0
12.Feb.17	**57.820**	**3513**	10:30	0	**3513**	**3513**	10:30	**3513**	0
13.Feb.17	**61.148**	**3541**	09:46:41	0	**3541**	**3541**	09:46:41	**3541**	0
14.Feb.17	**61.084**	**3649**	10:11:29	0	**3649**	**3649**	10:11:29	**3649**	0
15.Feb.17	**61.247**	**3621**	10:01:43	5	**3626**	**3626**	10:01:43	**3621**	5
16.Feb.17	**62.301**	**3499**	09:46:39	0	**3499**	**3499**	09:46:39	**3499**	0
17.Feb.17	**62.660**	**3678**	10:26:22	0	**3678**	**3678**	10:26:22	**3678**	0
18.Feb.17	**59.178**	**3400**	10:01:42	0	**3400**	**3400**	10:01:42	**3400**	0
19.Feb.17	**57.771**	**3389**	10:18:24	0	**3389**	**3389**	10:18:24	**3389**	0
20.Feb.17	**60.075**	**3470**	09:53:53	0	**3470**	**3470**	09:53:53	**3470**	0
21.Feb.17	**63.367**	**3392**	10:26:29	0	**3392**	**3392**	10:26:29	**3392**	0
22.Feb.17	**62.076**	**3419**	10:28:44	0	**3419**	**3419**	10:28:44	**3419**	0
23.Feb.17	**61.704**	**3361**	09:45:36	0	**3361**	**3361**	09:45:36	**3361**	0
24.Feb.17	**60.378**	**3623**	10:11:39	29	**3652**	**3652**	10:11:39	**3623**	29
25.Feb.17	**55.951**	**3313**	10:17:02	0	**3313**	**3313**	10:17:02	**3313**	0
26.Feb.17	**55.365**	**3215**	09:47:10	0	**3215**	**3215**	09:47:10	**3215**	0
27.Feb.17	**59.146**	**3325**	10:00	0	**3325**	**3325**	10:00	**3325**	0
28.Feb.17	**60.511**	**3367**	10:01:59	0	**3367**	**3367**	10:01:59	**3367**	0
TOTAL	**1706.711**	**3882** 01.02.17	10:15:52	0	**3882** 01.02.17	**3882**	10:15:52	**3882**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING FEBRUARY 2017 ON 01.02.2017- 3882MW AT 10.15.52HRS.

All figures in MW

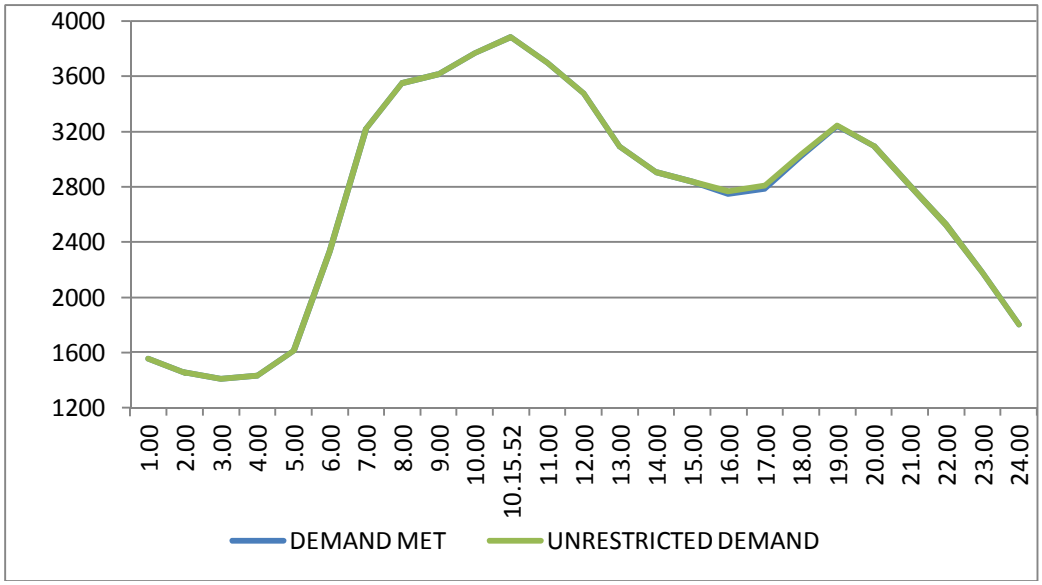
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1557	0	1557
2.00	1454	0	1454
3.00	1407	0	1407
4.00	1431	0	1431
5.00	1611	0	1611
6.00	2332	0	2332
7.00	3219	0	3219
8.00	3549	0	3549
9.00	3616	0	3616
10.00	3770	0	3770
10.15.52	3882	0	3882
11.00	3699	0	3699
12.00	3475	0	3475
13.00	3092	0	3092
14.00	2905	0	2905
15.00	2835	0	2835
16.00	2748	20	2768
17.00	2787	20	2807
18.00	3024	13	3037
19.00	3240	5	3245
20.00	3095	0	3095
21.00	2802	0	2802
22.00	2526	0	2526
23.00	2180	0	2180
24.00	1804	0	1804
Total (IN MUS)	**61.908**	**0.084**	**61.992**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING FEBRUARY 2017 ON 01.02.2017-3882MW AT 10.15.52HRS.

All figures in MW

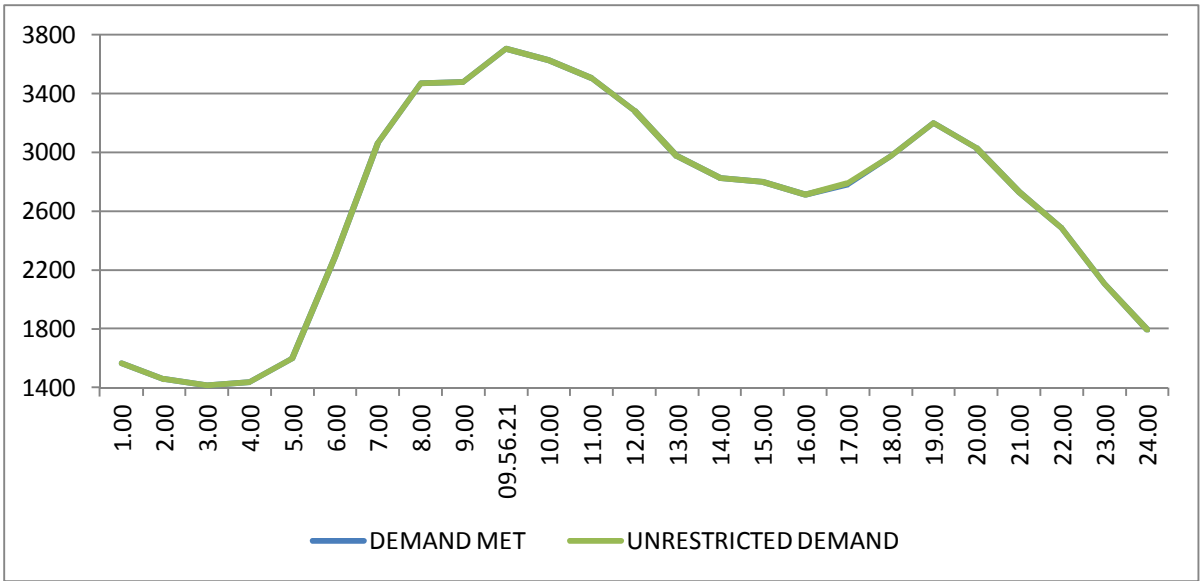
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1557	0	1557
2.00	1454	0	1454
3.00	1407	0	1407
4.00	1431	0	1431
5.00	1611	0	1611
6.00	2332	0	2332
7.00	3219	0	3219
8.00	3549	0	3549
9.00	3616	0	3616
10.00	3770	0	3770
10.15.52	3882	0	3882
11.00	3699	0	3699
12.00	3475	0	3475
13.00	3092	0	3092
14.00	2905	0	2905
15.00	2835	0	2835
16.00	2748	20	2768
17.00	2787	20	2807
18.00	3024	13	3037
19.00	3240	5	3245
20.00	3095	0	3095
21.00	2802	0	2802
22.00	2526	0	2526
23.00	2180	0	2180
24.00	1804	0	1804
Total (IN MUS)	**61.908**	**0.084**	**61.992**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING FEBRUARY 2017 – 08.02.2017 – 68.602Mus

All figures in MW

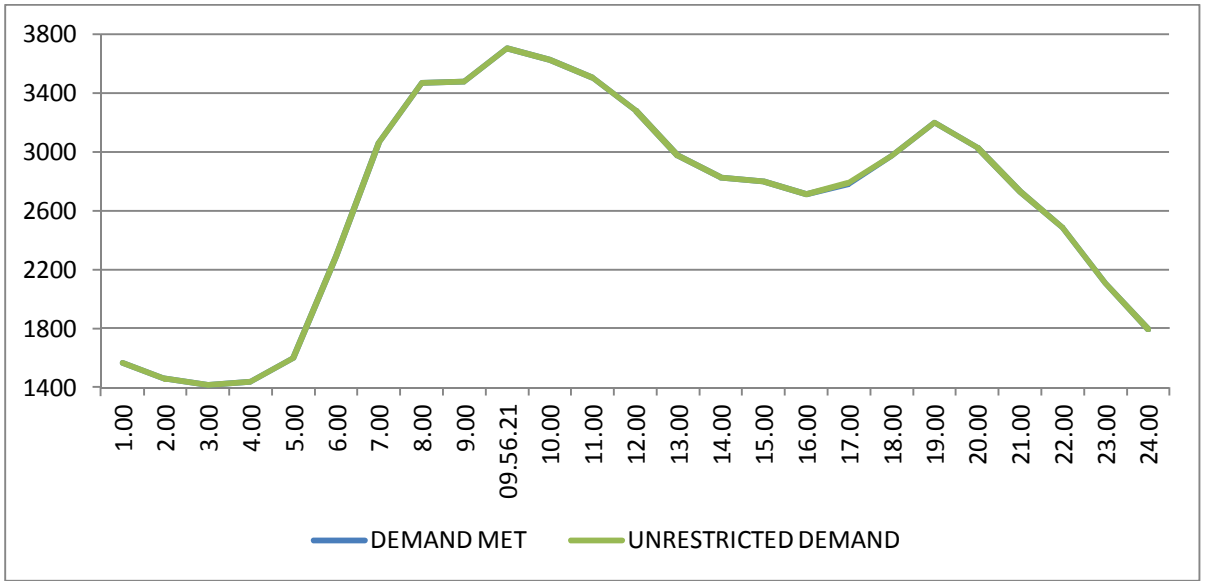
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1566	0	1566
2.00	1460	0	1460
3.00	1416	0	1416
4.00	1438	0	1438
5.00	1599	0	1599
6.00	2290	0	2290
7.00	3066	0	3066
8.00	3468	0	3468
9.00	3477	0	3477
09.56.21	3704	0	3704
10.00	3627	0	3627
11.00	3504	0	3504
12.00	3283	0	3283
13.00	2971	0	2971
14.00	2826	0	2826
15.00	2801	0	2801
16.00	2710	0	2710
17.00	2782	10	2792
18.00	2972	0	2972
19.00	3200	0	3200
20.00	3028	0	3028
21.00	2728	0	2728
22.00	2488	0	2488
23.00	2107	0	2107
24.00	1796	0	1796
Total (IN MUS)	**68.602**	**0.031**	**68.633**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING FEBRUARY 2017 – 08.02.2017 – 68.633 Mus

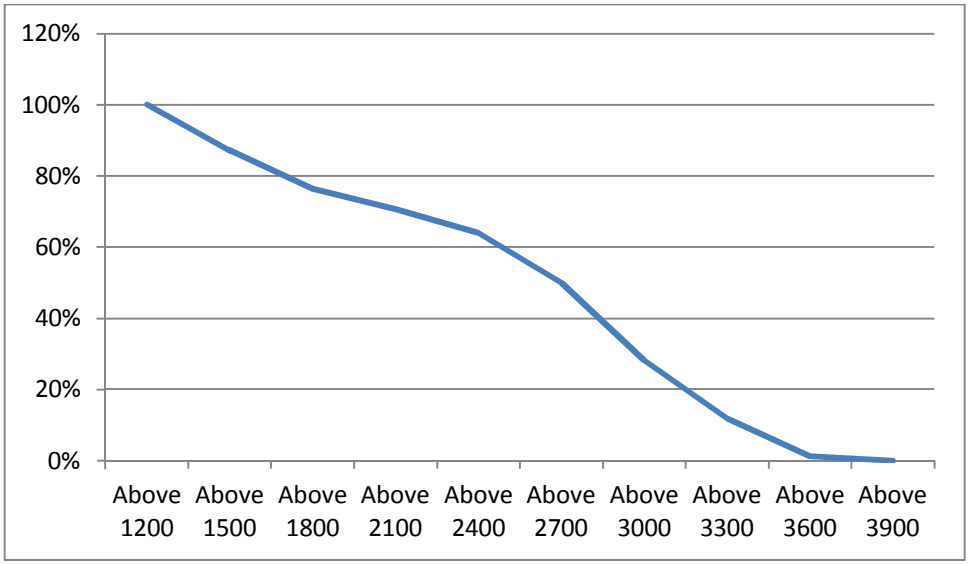
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1566	0	1566
2.00	1460	0	1460
3.00	1416	0	1416
4.00	1438	0	1438
5.00	1599	0	1599
6.00	2290	0	2290
7.00	3066	0	3066
8.00	3468	0	3468
9.00	3477	0	3477
09.56.21	3704	0	3704
10.00	3627	0	3627
11.00	3504	0	3504
12.00	3283	0	3283
13.00	2971	0	2971
14.00	2826	0	2826
15.00	2801	0	2801
16.00	2710	0	2710
17.00	2782	10	2792
18.00	2972	0	2972
19.00	3200	0	3200
20.00	3028	0	3028
21.00	2728	0	2728
22.00	2488	0	2488
23.00	2107	0	2107
24.00	1796	0	1796
Total (IN MUS)	**68.602**	**0.031**	**68.633**



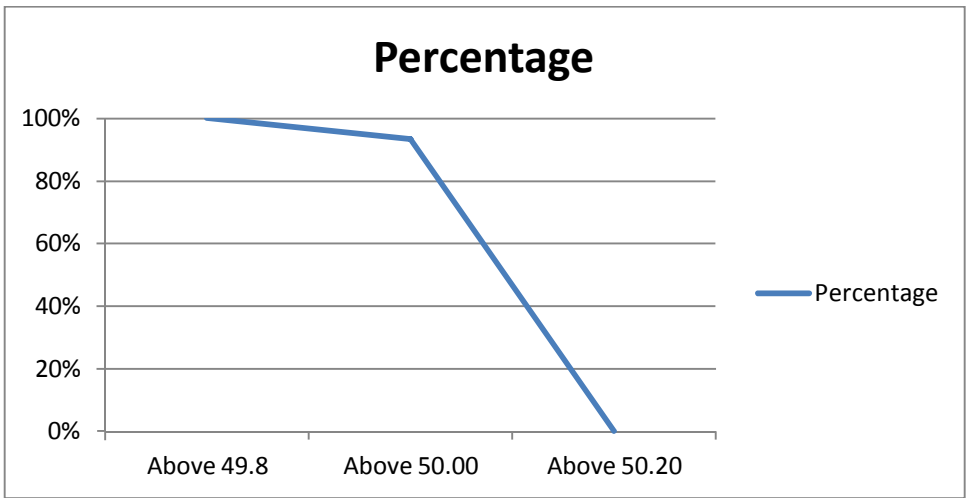
14 LOAD DURATION CURVE FOR FEBRUARY 2017

Load in MW	Percentage of Time
Above 1200	100%
Above 1500	87.20%
Above 1800	76.45%
Above 2100	70.61%
Above 2400	64.10%
Above 2700	49.93%
Above 3000	28.31%
Above 3300	11.83%
Above 3600	1.31%
Above 3900	0.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF FEBRUARY 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	100%
Above 50.00	93.38%
Above 50.20	0.11%



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING FEBRUARY 2017

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Feb.17	240.39	223.11	242.07	213.95
02.Feb.17	241.17	224.92	242.20	221.56
03.Feb.17	240.26	223.76	240.78	217.95
04.Feb.17	239.10	225.05	239.75	220.92
05.Feb.17	241.04	227.37	239.91	226.34
06.Feb.17	241.81	223.50	243.75	221.69
07.Feb.17	238.97	223.76	240.14	219.24
08.Feb.17	240.26	222.98	239.75	219.63
09.Feb.17	239.75	222.98	241.04	221.44
10.Feb.17	239.23	218.21	239.49	213.95
11.Feb.17	240.26	224.92	239.62	215.12
12.Feb.17	239.75	224.14	240.14	211.25
13.Feb.17	241.17	226.34	237.56	--
14.Feb.17	240.14	223.76	237.04	210.86
15.Feb.17	239.75	225.30	234.98	202.99
16.Feb.17	240.52	221.69	239.75	204.41
17.Feb.17	238.33	224.66	236.91	210.47
18.Feb.17	239.62	226.72	236.65	207.25
19.Feb.17	239.49	226.98	234.72	--
20.Feb.17	239.75	222.08	240.14	208.02
21.Feb.17	235.36	219.76	230.46	202.86
22.Feb.17	235.36	219.63	225.95	200.41
23.Feb.17	238.97	222.47	226.98	201.06
24.Feb.17	238.59	223.37	234.59	201.44
25.Feb.17	240.14	226.08	226.72	203.77
26.Feb.17	242.46	227.88	234.98	211.50
27.Feb.17	239.23	--	232.01	204.41
28.Feb.17	239.49	220.27	231.49	201.83

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING FEBRUARY 2017

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Feb.17	427.47	03.02.33	402.61	07.16	417.45
02.Feb.17	428.88	02.59.17	408.01	06.24	417.79
03.Feb.17	427.70	02.59.03	400.50	06.47	416.22
04.Feb.17	426.77	01.01.40	406.13	06.50	416.76
05.Feb.17	427.94	02.01.11	411.29	12.26	421.08
06.Feb.17	429.58	03.31.39	405.19	18.36	416.82
07.Feb.17	426.30	00.31.16	401.91	06.42	416.18
08.Feb.17	427.94	23.59.19	404.25	06.39	415.21
09.Feb.17	428.41	03.59.14	401.68	12.15	414.28
10.Feb.17	426.53	01.16.46	402.85	12.10	414.87
11.Feb.17	427.94	01.00.03	405.19	09.16	416.04
12.Feb.17	426.77	23.59.07	406.13	12.15	416.17
13.Feb.17	427.94	03.00.58	406.60	12.13	415.94
14.Feb.17	427.23	03.01.27	401.91	09.27	415.05
15.Feb.17	426.30	01.27.47	405.66	12.12	416.19
16.Feb.17	427.23	02.01.40	400.97	14.12	414.51
17.Feb.17	424.42	02.00.45	406.37	06.42	415.16
18.Feb.17	426.06	03.58.16	407.77	08.43	415.75
19.Feb.17	425.36	02.56.28	410.12	07.24	418.20
20.Feb.17	425.12	02.02.11	406.60	06.22	416.34
21.Feb.17	426.77	04.00.03	405.43	12.17	416.29
22.Feb.17	425.12	01.58.29	405.19	10.22	414.55
23.Feb.17	425.12	04.00.46	402.85	09.19	415.09
24.Feb.17	425.59	04.01.20	404.49	09.44	415.81
25.Feb.17	426.06	03.58.00	406.83	11.11	416.28
26.Feb.17	426.77	03.53.00	412.23	12.09	418.75
27.Feb.17	425.12	03.19.00	401.68	11.07	414.44
28.Feb.17	425.12	03.59.00	399.80	12.08	413.46

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Feb.17	420.67	00.21	392.76	07.22	409.94
02.Feb.17	421.84	02.59	399.33	06.24	410.13
03.Feb.17	419.73	02.02	389.01	06.48	408.09
04.Feb.17	419.73	01.00	396.75	06.40	409.08
05.Feb.17	420.67	00.12	402.14	05.28	413.14
06.Feb.17	420.20	00.24	399.33	18.35	408.95
07.Feb.17	420.20	01.03	392.76	06.42	408.55
08.Feb.17	422.55	23.54	393.23	06.40	407.28
09.Feb.17	422.78	03.59	394.88	11.16	407.27
10.Feb.17	419.26	04.01	392.06	08.44	406.99
11.Feb.17	421.61	01.00	397.45	09.19	409.68
12.Feb.17	422.55	23.58	399.33	12.15	410.42
13.Feb.17	423.25	0301	399.10	12.11	410.03
14.Feb.17	422.55	04.00	393.94	09.20	408.87
15.Feb.17	421.61	01.44	397.45	14.45	410.45
16.Feb.17	420.67	04.00	395.58	14.13	408.10
17.Feb.17	418.09	00.01	397.92	06.42	408.25
18.Feb.17	418.32	03.59	399.57	08.17	408.51
19.Feb.17	419.73	18.02	404.49	07.24	412.16
20.Feb.17	417.86	02.01	392.76	06.22	408.27
21.Feb.17	419.03	03.43	399.57	09.35	409.41
22.Feb.17	419.26	01.58	399.10	10.22	408.51
23.Feb.17	418.09	04.00	396.05	09.19	408.85
24.Feb.17	418.56	04.00	397.45	08.51	409.47
25.Feb.17	420.20	03.59	399.80	09.20	409.81
26.Feb.17	420.67	04.00	399.57	18.47	412.41
27.Feb.17	416.92	20.52	394.41	11.08	406.65
28.Feb.17	419.50	04.00	392.76	12.07	406.45

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 FEBRUARY 2017

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	22.5.16	20:30	400kV Bamnauli-Jhatikara Ckt-I	CONTD.		AT BAMNAULI : AB PHASE, Z-I, Z-5, DT SENT, LBB, DIST 438.4METERS
2	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.
3	11.9.16	20:43	PARKSTREET 220/33kV 100MVA Tx-II	CONTD.		TR. PUT OFF DUE TO RISE IN OIL TEMPERATURE.
4	19.10.16	16:48	WAZIRPUR 220/33kV 100MVA Tx-I	CONTD.		TR. TRIPPED ON TROUBLE ALARM, DIFFERENTIAL RELAY, B PHASE, GROUP A, 86A, 86B, BUCHHOLZ.
5	1.12.16	08:38	GEETA COLONY 220/33kV 100MVA Tx-II	CONTD.		TR. TRIPPED ON BUCHOLZ RELAY.
6	11.12.16	08:37	BAWANA 400/220kV 315MVA ICT-I	CONTD.		ICT main CB 420-52 & Tie CB 421-52 tripped on O/C, E/F, Differential prot., R&Y Phase, OTI trip, WTI/PRV Trip, Bucholz. Alarm operated. 220kV I/C of ICT tripped on CB auto trip, 195AC, 195 BC, 195CC, 295AC, 295 BC, 295CC.
7	4.1.17	00:23	220kV MAHARANI BAGH - LODHI ROAD CKT-I	4.2.17	17:25	AT MAHARANI BAGH CKT. TRIPPED DUE TO END BOX DAMAGED. AT LODHI ROAD CKT. DID NOT TRIP.
8	31.1.17	13:07	220kV Harsh Vihar - Preet Vihar Ckt-I	1.2.17	08:41	AT HARSH VIHAR CKT. TRIPPED ON 86, AUTO RECLOSE.
9	1.2.17	12:33	220 KV PATPARGANJ - I.P. CKT-I	1.2.17	14:58	AT PATPARGANJ CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 368MTS.. AT AT I.P. CKT. TRIPPED ON 186.
10	1.2.17	14:23	OKHLA 220/66kV 100MVA Tx-I	1.2.17	14:33	66KV I/C-I TRIPPED ON O/C, R PHASE.
11	3.2.17	06:10	220kV GEETA COLONY- PATPARGANJ CKT -II	3.2.17	12:13	AT GEETA COLONY CKT. TRIPPED ON DIST PROT, DIST 2.893KM. AT PATPARGANJ CKT .TRIPPED ON 186, DIST PROT, ZONE-I, DIST 1.537KM.
12	3.2.17	07:52	220kV Preet Vihar- Patparganj Ckt-I	3.2.17	10:58	AT PATPARGANJ CKT. TRIPPED ON WITHOUT INDICATION.
13	3.2.17	10:53	OKHLA 220/33kV 100MVA Tx-III	3.2.17	11:07	TR. TRIPPED ON AIR PRESSURE LOW.
14	4.2.17	07:52	220kV Preet Vihar- Patparganj Ckt-I	4.2.17	10:58	AT PATPARGANJ CKT. TRIPPED WITHOUT INDICATIOTN.
15	4.2.17	07:58	220kV PRAGATI - SARITA VIHAR CKT-II	4.2.17	10:59	AT PRAGATI CKT. TRIPPED ON POLE DISCREPANCY.
16	5.2.17	08:15	220kV MUNDKA-NAJAFGARH CKT	5.2.17	08:37	AT MUNDKA CKT. TRIPPED ON DIST PROT.
17	5.2.17	10:15	220kV MUNDKA-NAJAFGARH CKT	5.2.17	14:11	AT MUNDKA CKT. TRIPPED ON GROUP A&B PROTECTION RELAY. AT NAJAFGARH CKT. DID NOT TRIP.
18	5.2.17	13:04	220kV Preet Vihar- Patparganj Ckt-II	5.2.17	18:38	AT PATPARGANJ CKT. TRIPPED ON ACTIVE GROUP -I. AT PREET VIHAR CKT. TRIPPED ON ACTIVE GROUP -I.
19	5.2.17	15:07	220kV Harsh Vihar - Preet Vihar Ckt-II	5.2.17	18:38	AT PREET VIHAR CKT. TRIP ON F-87, F-211, F-79, F-59. AT HARSH VIHAR CKT. TRIPPED ON MAIN -I, 86. AUTO RECLOSE, RYB PHASE.
20	8.2.17	07:10	220kV MAHARANIBAGH-MASJID MOTH CKT-I	8.2.17	15:14	CB TROUBLE ALARM APPEARED.
21	11.2.17	02:35	LODHI RD 220/33kV 100MVA Tx-II	11.2.17	11:40	TR. TRIPPED ON LBB PROTECTION & AUTO RECLOSE.
22	11.2.17	05:44	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	11.2.17	06:28	TR. TRIPPED ON O/C, 86.
23	11.2.17	07:55	OKHLA 33kV ALAKNANDA CKT-I	11.2.17	18:26	CKT. TRIPPED ON DIST PROT, ZONE-I, II, B PHASE. CB JUMPER SNAPPED.
24	11.2.17	07:55	OKHLA 220/33kV 100MVA Tx-IV	11.2.17	12:15	33KV I/C-IV TRIPPED ON 86LV, O/C.
25	11.2.17	07:55	OKHLA 220/33kV 100MVA Tx-III	11.2.17	12:15	33KV I/C-III ON 51C.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
26	11.2.17	16:26	220kV OKHLA - BTPS CKT.- I	11.2.17	19:10	AT OKHLA CKT. TRIPPED ON 86T, RYB PHASE, DIST PROT, DIST 2.024KM. AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, B PHASE.
27	11.2.17	16:26	220kV GAZIPUR - NOIDA SEC.-62 CKT	11.2.17	17:07	AT GAZIPUR CKT. TRIPPED ON DIST PROT, ZONE-I, B PHASE.
28	12.2.17	08:55	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	12.2.17	09:20	TR. TRIPPED ON 86.
29	13.2.17	07:46	220kV Harsh Vihar - Preet Vihar Ckt-II	13.2.17	14:15	AT HARSH VIHAR CKT. TRIPPED ON 86.
30	13.2.17	12:14	220KV BAWANA-SHALIMARBAGH CKT-II	13.2.17	13:20	AT BAWANA CKT. TRIPPED ON O/C, 86, ACTIVE GROUP-I.
31	13.2.17	18:20	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	14.2.17	11:40	TR. TRIPPED ON 86, 186, I/C-III TRIPPED WITHOUT INDICATION.
32	14.2.17	08:10	220kV MEHRAULI - BTPS CKT. - I	14.2.17	08:32	AT MEHRAULI CKT. TRIPPED ON DIST PROT, DIST 34.1KM. AT BTPS CKT. DID NOT TRIPPED.
33	14.2.17	08:10	220kV SARITA VIHAR - BTPS CKT.-I	14.2.17	20:44	AT SARITA VIHAR CKT. TRIPPED ON DIST PROT, DIST 2.43KM. AT BTPS CKT. TRIPPED ON DIST PROT, DIST 0.3KM., E/F.
34	14.2.17	08:10	220kV PRAGATI - SARITA VIHAR CKT-II	14.2.17	11:40	AT PRAGATI CKT. TRIPPED ON DIST PROT, ZONE-II.
35	14.2.17	09:31	220kV PRAGATI - SARITA VIHAR CKT - I	14.2.17	09:43	AT PRAGATI CKT. TRIPPED ON DIST PROT. ZONE-I, TRIP PHASE ABC. DIST 391.9MTS.
36	14.2.17	18:15	220kV Preet Vihar- Patparganj Ckt-II	14.2.17	19:37	AT PREET VIHAR CKT. TRIPPED ON DIST PROT. AT PATPARGANJ CKT. TRIPPED ON 86.
37	14.2.17	18:15	220kV Harsh Vihar - Preet Vihar Ckt-I	14.2.17	19:31	AT PREET VIHAR CKT. TRIPPED ON F87.
38	14.2.17	18:15	220kV Preet Vihar- Patparganj Ckt-I	14.2.17	19:37	AT PREET VIHAR CKT. TRIPPED ON F-87. AT PATPARGANJ CKT. TRIPPED ON DIFFERENTIAL, 86.
39	14.2.17	23:46	LODHI RD 220/33kV 100MVA Tx-II	15.2.17	11:08	TR. TRIPPED ON DIST PROT, AUTO RECLOSE LOCKOUT, LLB PROT.
40	15.2.17	17:45	KANJHAWALA 220/66kV 100MVA Tx-I	16.2.17	12:15	TR. TRIPPED ON RYB PHASE, DIFFERENTIAL 86B, R PHASE LA DAMAGED.
41	15.2.17	21:37	400kV Ballabhgarh-Bamnauli Ckt-I	16.2.17	07:22	AT BAMNAULI CKT. TRIPPED ON 195BC, 30E LOCKOUT, R PHASE POLE DAMAGED ON CB NO. 152. FIRE OBSERVED AT BAMNAUL YARD.
42	18.2.17	13:05	220kV KANJHAWALA-NAJAFGARH CKT	18.2.17	16:58	AT KHANJAWALA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 8.79KM.
43	18.2.17	14:54	220KV WAZIRABAD - MANDOLA CKT-II	18.2.17	15:01	CKT. TRIPPED WITHOUT INDICATION.
44	18.2.17	16:02	PATPARGANJ 220/66kV 100MVA Tx-II	18.2.17	23:48	TR. TRIPPED ON 64RLB, 86.
45	19.2.17	12:57	220kV GAZIPUR - BTPS CKT	20.2.17	17:49	AT BTPS CKT. TRIPPED ON DIST PROT, ZONE-I, B PHASE. AT GAZIPUR CKT. DID NOT TRIP.
46	21.2.17	12:35	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	21.2.17	20:18	TR. TRIPPED ON E/F, 86.
47	23.2.17	13:45	220kV BAMNAULI-PAPPANKALAN-II CKT-I	23.2.17	13:58	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.58KM. AT PAPANKALAN-II CKT .TRIPPED ON DIST PROT, ZONE-I, DIST 18.55KM.
48	25.2.17	03:22	KANJHAWALA 66/11kV, 20MVA Tx-I	25.2.17	16:01	TR. TRIPPED ON DIFFERENTIAL.
49	26.2.17	07:15	NARAINA 33kV SHEKHAWATI CKT	26.2.17	10:00	TR. TRIPPED ON LOW GAS PRESSURE.
50	27.2.17	05:22	220kV DIAL- MEHRAULI CKT-I	27.2.17	16:27	AT MEHRAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 8.431KM. AT DIAL CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 1.35KM.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF FEBRUARY 2017

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