DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUARY 2017

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JAN. 2016	JAN 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)**	**4176**	**4168**
	Date	22.01.2016	20.01.2017
	Time	09.59.33	10.00.08
3	**Peak Demand met (MW)**	**4125**	**4168**
	Date	22.01.2016	20.01.2017
	Time	09.59.33	10.00.08
4	Peak Availability (MW)	4009	4032
5	Shortage (-) / Surplus (+) in MW	(-) 116	(-) 136
6	Percentage Shortage (-) / Surplus (+)	(-) 3.88	(-) 3.26
7	Maximum Energy Consume in a day (Mus)	68.595	68.742
8	Energy Consumed during the month	**1964.216**	**1931.576**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.001	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.122	0.031
	BRPL	0.941	0.201
	BYPL	0.039	0.006
	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	**1.103**	**0.238**
B)	Due to Constraints in System in Mus		
	DTL	2.076	0.207
	NDPL	0.457	0.302
	BRPL	0.665	0.400
	BYPL	0.062	0.025
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.054	0.000
	Total	**3.314**	**0.934**
11	**Grand Total in Mus**	**4.417**	**1.172**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2017

A) For the month of January 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.274	-0.274	0.00	--
2.	**GT**	49.920	1.634	48.286	86.86	120.495
3.	**PPCL**	112.598	2.473	110.125	99.89	128.316
4.	**BTPS**	0.000	0.000	0.000	0.00	0.000
5.	**Rithala**	0.000	0.062	-0.062	**88.58**	60.60
6.	**Bawana**	201.280	6.353	194.927	104.15	841.330
7.	**Towmcl**	4.558	1.446	3.112	--	--
8.	**EDWPCL**	0.260	0.095	0.165	--	--
9.	**DMSWL**	2.053	0.103	1.950	--	--
	TOTAL	**370.669**	**12.44**	**358.229**	**--**	**1150.741**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan 2017	Availability (%) for Jan 2017	PLF (%) for Jan 2017	Cumulative Generation in MUs upto Jan 2017 for the year 2016-17	Cumulative Availability in % upto Jan 2017 for the year 2016-17	Cumulative PLF in % upto Jan 2017 for the year 2016-17
RPH	135	-0.274	0.00	-0.058	0.000	0.00	-0.76
GT	270	48.286	86.86	24.99	583.157	81.78	29.34
PPCL	330	110.125	99.89	46.01	1602.324	90.41	66.25
BTPS	705	0.000	0.00	0.00	1357.425	41.16	16.47
Rithala	108	-0.062	**88.58**	0.00	0.000	**89.11**	0.00
Bawana	1372	194.927	104.15	20.22	1655.307	76.26	16.47
Towmcl	16	3.112	--	38.29	119.653	--	--
EDWPCL	--	0.165	--	2.91	0.670	--	--
DMSWL	--	1.950	--	11.50	2.120	--	--
TOTAL	2936	**358.229**	**--**	**--**	**5320.656**	**--**	**--**

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	31.1.17	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	31.1.17	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	31.1.17	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	31.1.17	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

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	31.1.17	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	31.1.17	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

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	31.01.17	23.59	Unit stopped to attend hot spot.

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

(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	31.01.17	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	31.01.17	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	31.01.17	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	31.01.17	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	31.01.17	24.00	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	

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	31.01.17	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	

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	31.01.17	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	31.01.17	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-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	31.01.17	23.59	Stopped due to low demand and high frequency

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.01.17	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	31.01.17	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	31.01.17	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 JANUARY 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	Townmcl	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	10.23.55	0	74	158	0	302	15	0	0	-4	545	2991	3027	-36	3536	0	3536
2	00:00:00	0	59	157	0	278	15	0	0	-4	505	3135	2961	174	3640	0	3640
3	10.17.36	0	59	156	0	291	15	0	0	-4	517	3141	3027	114	3658	0	3658
4	10.30.00	0	74	156	0	310	15	0	0	-4	551	3071	3014	57	3622	0	3622
5	10.03.41	0	74	158	0	249	13	0	0	-4	490	3057	3055	2	3547	2	3549
6	10.30.00	0	74	158	0	263	7	0	0	-4	498	3248	3204	44	3746	0	3746
7	10.30.00	0	74	158	0	257	14	0	0	-4	499	2866	2719	147	3365	0	3365
8	10.28.00	0	74	160	0	272	0	0	0	-4	502	3070	2856	214	3572	0	3572
9	10.19.00	0	82	161	0	345	0	0	0	-4	584	3166	3036	130	3750	0	3750
10	10.00.00	0	82	161	0	320	0	1	1	-4	559	3219	3178	41	3778	5	3783
11	10.32.00	0	82	161	0	320	0	4	4	-4	559	3328	3219	109	3887	0	3887
12	10.30.00	0	82	161	0	320	0	0	0	-4	559	3348	3222	126	3907	0	3907
13	10.30.00	0	62	161	0	266	0	3	3	-4	485	3535	3405	130	4020	0	4020
14	11.00.00	0	82	137	0	328	0	3	2	-4	543	3433	3167	266	3976	0	3976
15	10.30.00	0	76	139	0	299	0	0	0	-4	510	3194	3206	-12	3704	18	3722
16	09.56.23	0	77	139	0	268	0	0	8	-4	480	3285	3335	-50	3765	0	3765
17	10.02.50	0	36	139	0	325	0	0	6	-4	496	3514	3322	192	4010	0	4010
18	10.30.11	0	37	140	0	331	0	0	0	-4	504	3535	3414	121	4039	5	4044
19	10.10.36	0	36	140	0	296	0	0	0	-4	468	3508	3459	49	3976	0	3976
20	10.00.08	0	36	139	0	253	0	0	0	-4	424	3744	3608	136	4168	0	4168
21	09.20.49	0	34	139	0	299	0	0	0	-4	468	3514	3325	189	3982	0	3982
22	10.44.59	0	33	160	0	278	0	0	0	-4	467	3495	3252	243	3962	0	3962
23	10.00.00	0	33	150	0	250	0	0	0	-4	429	3348	3463	-115	3777	0	3777
24	09.54.40	0	33	159	0	249	0	0	0	-3	438	3335	3370	-35	3773	0	3773
25	10.30.06	0	32	156	0	257	7	0	0	-3	449	3321	3222	99	3770	0	3770
26	10.04.15	0	32	0	0	270	16	0	0	-3	315	2769	2647	122	3084	0	3084
27	10.42.00	0	74	132	0	325	14	0	0	-3	542	3226	3188	38	3768	0	3768
28	10.17.29	0	76	159	0	311	16	0	0	-3	559	3184	3074	110	3743	0	3743
29	10.37.44	0	74	161	0	280	16	5	6	-3	539	3286	3155	131	3825	0	3825
30	10.25.52	0	72	160	0	250	14	0	0	-3	493	3349	3192	157	3842	60	3902
31	09.56.06	0	74	180	0	251	14	0	0	-3	516	3249	3194	55	3765	2	3767

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 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	10.23.55	0	74	158	0	302	15	0	0	-4	545	2991	3027	-36	3536	0	3536
2	00:00:00	0	59	157	0	278	15	0	0	-4	505	3135	2961	174	3640	0	3640
3	10.17.36	0	59	156	0	291	15	0	0	-4	517	3141	3027	114	3658	0	3658
4	10.30.00	0	74	156	0	310	15	0	0	-4	551	3071	3014	57	3622	0	3622
5	10.03.41	0	74	158	0	249	13	0	0	-4	490	3057	3055	2	3547	2	3549
6	10.30.00	0	74	158	0	263	7	0	0	-4	498	3248	3204	44	3746	0	3746
7	10.30.00	0	74	158	0	257	14	0	0	-4	499	2866	2719	147	3365	0	3365
8	10.28.00	0	74	160	0	272	0	0	0	-4	502	3070	2856	214	3572	0	3572
9	10.19.00	0	82	161	0	345	0	0	0	-4	584	3166	3036	130	3750	0	3750
10	10.00.00	0	82	161	0	320	0	1	1	-4	559	3219	3178	41	3778	5	3783
11	10.32.00	0	82	161	0	320	0	4	4	-4	559	3328	3219	109	3887	0	3887
12	10.30.00	0	82	161	0	320	0	0	0	-4	559	3348	3222	126	3907	0	3907
13	10.30.00	0	62	161	0	266	0	3	3	-4	485	3535	3405	130	4020	0	4020
14	11.00.00	0	82	137	0	328	0	3	2	-4	543	3433	3167	266	3976	0	3976
15	10.30.00	0	76	139	0	299	0	0	0	-4	510	3194	3206	-12	3704	18	3722
16	09.56.23	0	77	139	0	268	0	0	8	-4	480	3285	3335	-50	3765	0	3765
17	10.02.50	0	36	139	0	325	0	0	6	-4	496	3514	3322	192	4010	0	4010
18	10.30.11	0	37	140	0	331	0	0	0	-4	504	3535	3414	121	4039	5	4044
19	10.10.36	0	36	140	0	296	0	0	0	-4	468	3508	3459	49	3976	0	3976
20	10.00.08	0	36	139	0	253	0	0	0	-4	424	3744	3608	136	4168	0	4168
21	09.20.49	0	34	139	0	299	0	0	0	-4	468	3514	3325	189	3982	0	3982
22	10.44.59	0	33	160	0	278	0	0	0	-4	467	3495	3252	243	3962	0	3962
23	10.00.00	0	33	150	0	250	0	0	0	-4	429	3348	3463	-115	3777	0	3777
24	09.54.40	0	33	159	0	249	0	0	0	-3	438	3335	3370	-35	3773	0	3773
25	10.30.06	0	32	156	0	257	7	0	0	-3	449	3321	3222	99	3770	0	3770
26	10.04.15	0	32	0	0	270	16	0	0	-3	315	2769	2647	122	3084	0	3084
27	10.42.00	0	74	132	0	325	14	0	0	-3	542	3226	3188	38	3768	0	3768
28	10.17.29	0	76	159	0	311	16	0	0	-3	559	3184	3074	110	3743	0	3743
29	10.37.44	0	74	161	0	280	16	5	6	-3	539	3286	3155	131	3825	0	3825
30	10.25.52	0	72	160	0	250	14	0	0	-3	493	3349	3192	157	3842	60	3902
31	09.56.06	0	74	180	0	251	14	0	0	-3	516	3249	3194	55	3765	2	3767

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

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

A (i) RPH	0.000
(ii) GT+STG	49.920
(iii) PRAGATI	112.598
(iv) RITHALA	0.000
(v) BAWANA CCGT	201.280
(vi) Timarpur ï Okhla	4.558
(vii) EDWPCL	0.260
(viii) DMSWL	2.053
TOTAL	370.669
B) AVAILABILITY FROM BTPS	-5.693
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	12.440
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**352.536**

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	2.335	2.210	2.335	2.210
SALAL	10.241	9.693	10.241	9.693
SASAN	303.661	285.990	285.218	268.614
TANKAPUR	1.248	1.173	1.248	1.173
CHAMERA	4.643	4.383	4.643	4.383
CHAMERA -II	4.445	4.194	4.445	4.194
CHAMERA -III	2.233	2.107	2.233	2.107
DHAULIGANGA	3.135	2.951	3.135	2.951
SEWA -2	3.358	3.193	3.358	3.193
URI	10.505	9.924	10.505	9.924
URI-II	8.226	7.770	8.228	7.772
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.409	8.861	9.409	8.861
PARBATI3	1.490	1.403	1.490	1.403
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	0.000	0.000	0.000	0.000
ANTA (LIQUID)	32.856	30.941	0.000	0.000
DADRI (GAS)	20.082	18.921	5.619	5.308
DADRI (RLNG)	0.000	0.000	0.000	0.000
DADRI (LIQUID)	44.124	41.544	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	0.000	0.000	0.000	0.000
AURAIYA (LIQUID)	51.641	48.633	0.000	0.000
SINGRAULI	104.996	98.875	94.043	88.558
RIHAND -I	54.187	50.889	46.433	43.613
RIHAND -II	89.773	84.542	76.886	72.406

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
RIHAND -III	94.105	88.625	82.177	77.386
UNCHAHAR-I	16.721	15.752	13.289	12.515
UNCHAHAR-II	33.078	31.139	26.743	25.172
UNCHAHAR-III	20.766	19.555	17.002	16.010
DADRI (TH)	545.706	513.897	140.973	132.803
DADRI (TH) STAGE-II	543.312	511.642	213.615	200.981
NAPP	33.172	31.238	33.172	31.238
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	25.075	23.678	25.075	23.678
NATHPA JHAKRI	18.072	17.014	13.631	12.831
DULASTI	9.582	9.026	9.582	9.026
TEHRI	16.596	15.626	16.589	15.620
JHAJJAR	494.968	466.116	2.053	1.929
KHELGAON	33.968	31.988	22.361	21.062
KHELGAON-II	72.107	67.936	55.408	52.206
FARAKA	14.893	14.016	10.035	9.451
TALA	2.621	2.466	2.621	2.466
TALCHER	0.000	0.000	0.000	0.000
DVC	242.822	239.616	239.616	225.704
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.093	0.091	0.091	0.084
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
BIHAR	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	183.339	181.342	181.342	170.619
DVC MEJIA (LT-08)(BYPL)	48.389	47.739	47.739	44.778
URS	0.060	0.056	0.060	0.056
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.790	0.767	0.767	0.722
PUNJAB	21.595	21.024	21.024	19.797
UTTAR PRADESH	11.619	11.191	11.191	10.538
ORISSA	2.042	2.020	2.020	1.899
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	51.986	50.547	50.547	47.495
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	2.819	2.698	2.698	2.543
RAJASTHAN(SOLAR) BYPL -LT-35	2.922	2.796	2.796	2.635
RAJASTHAN(SOLAR) TPDDL LT-31	2.775	2.655	2.655	2.503
TO JAMMU & KASHMIR	-24.636	-25.303	-25.303	-26.871
TO ASSAM	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-19.847	-20.248	-20.248	-21.505
TO UTTAR PRADESH	-4.485	-4.650	-4.650	-4.860
TO UTTRANCHAL	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TO GOA	-5.863	-5.997	-5.997	-6.368
TO BIHAR	-26.566	-27.063	-27.063	-28.739
TO RAJASTHAN	-41.746	-43.776	-43.776	-46.489
TO NEPAL	-19.571	-20.150	-20.150	-21.399
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)	173.622	163.568	173.622	163.568
TO POWER EXCHANGE (IEX)	-106.066	-112.714	-106.066	-112.714
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)	-17.294	-18.367	-17.294	-18.367
TO SHARE PROJECT (PUNJAB)	-17.467	-18.552	-17.467	-18.552
TOTAL	**3298.663**	**3007.203**	**1701.949**	**1567.814**

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	1651.348	1554.956	716.780	674.752
NTPC - ER	120.968	113.940	87.804	82.720
NHPC	61.440	58.027	61.442	58.029
NPC	58.247	54.916	58.247	54.916
SASAN	303.661	285.990	285.218	268.614
KOTESHWAR	9.409	8.861	9.409	8.861
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	18.072	17.014	13.631	12.831
TEHRI	16.596	15.626	16.589	15.620
TALA	2.621	2.466	2.621	2.466
JHAJJAR	494.968	466.116	2.053	1.929
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	2.819	2.698	2.698	2.543
RAJASTHAN SOLAR(BYPL)T-35	2.922	2.796	2.796	2.635
RAJASTHAN SOLAR(TPDDL)T-31	2.775	2.655	2.655	2.503
DVC	242.822	239.616	239.616	225.704
HARYANA	0.000	0.000	0.000	0.000
CHATTISHGARH	0.093	0.091	0.091	0.084
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
BIHAR	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	183.339	181.342	181.342	170.619
DVC MEJIA (LT-08)(BYPL)	48.389	47.739	47.739	44.778
URS	0.060	0.056	0.060	0.056
JAMMU & KASHMIR	0.000	0.000	0.000	0.000
HIMACHAL PRADESH	0.790	0.767	0.767	0.722
PUNJAB	21.595	21.024	21.024	19.797
UTTAR PRADESH	11.619	11.191	11.191	10.538

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
ORISSA	2.042	2.020	2.020	1.899
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	51.986	50.547	50.547	47.495
RAJASTHAN	0.000	0.000	0.000	0.000
NEPAL	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	173.622	163.568	173.622	163.568
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3482.204**	**3304.022**	**1989.963**	**1873.678**

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	-24.636	-25.303	-25.303	-26.871
TO ASSAM	0.000	0.000	0.000	0.000
TO KARNATAKA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-19.847	-20.248	-20.248	-21.505
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-4.485	-4.650	-4.650	-4.860
TO GOA	-5.863	-5.997	-5.997	-6.368
TO BIHAR	-26.566	-27.063	-27.063	-28.739
TO RAJASTHAN	-41.746	-43.776	-43.776	-46.489
TO NEPAL	-19.571	-20.150	-20.150	-21.399
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)	-106.066	-112.714	-106.066	-112.714
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.294	-18.367	-17.294	-18.367
TO SHARE PROJECT (PUNJAB)	-17.467	-18.552	-17.467	-18.552
TOTAL	**-283.541**	**-296.819**	**-288.013**	**-305.864**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3198.663**	**3007.203**	**1701.949**	**1567.814**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1944.016
NET CONSUMPTION		**1931.576**
AVAILABILITY WITHIN DELHI		352.536
ACTUAL DRAWAL FROM THE GRID		1579.040
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		11.226
LOAD SHEDDING		1.172
UNRESTRICTED DEMAND (GROSS)		1945.188
UNRESTRICTED DEMAND (NET)		1932.748
MAX. NET CONSUMPTION		98.742 ON 20.01.2017
MAX. LOAD SHEDDING		165MW ON 26.01.2017 AT 13.03HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4168MW AT 10.00.08HRS ON 20.01.2017	0 MW
EVENING PEAK	3519MW AT 18.30HRS ON 17.01.2017	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	13.32%
	PRAGATI	70.07%
	RITHALA	0.00%
	BAWANA	7.70%
	Timarpur Okhla	113.55%

9 SHEDDING DETAILS DURING THE MONTH OF JANUARY 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.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
07.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.007	0.000	0.000
09.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.006	0.034	0.000	0.000	0.000
12.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.140	0.000	0.000	0.000
13.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
14.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.014	0.000	0.000	0.000
15.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.024	0.000	0.000
18.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
19.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
22.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
24.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.013	0.000	0.000	0.000
29.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
31.Jan.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.006**	**0.201**	**0.031**	**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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
09.Jan.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.Jan.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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.040**	**0.040**
12.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.140**	**0.140**
13.Jan.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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
15.Jan.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.Jan.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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
18.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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**
25.Jan.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.Jan.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.Jan.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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
29.Jan.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**
30.Jan.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**
31.Jan.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**	**0.238**	**0.238**

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.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
03.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.006	0.000
04.Jan.17	0.000	0.009	0.000	0.000	0.000	0.000	0.004	0.000	0.000
05.Jan.17	0.000	0.003	0.000	0.000	0.000	0.000	0.017	0.000	0.000
06.Jan.17	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000
07.Jan.17	0.000	0.000	0.000	0.000	0.000	0.009	0.011	0.002	0.000
08.Jan.17	0.000	0.005	0.000	0.000	0.000	0.006	0.014	0.000	0.000
09.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	0.000
10.Jan.17	0.000	0.001	0.000	0.000	0.000	0.000	0.025	0.000	0.000
11.Jan.17	0.000	0.000	0.002	0.000	0.000	0.000	0.074	0.000	0.000
12.Jan.17	0.005	0.000	0.000	0.000	0.000	0.000	0.015	0.007	0.000
13.Jan.17	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.000	0.000
14.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
15.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.005	0.000
16.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.002	0.000
17.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000
19.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
20.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.001	0.000
21.Jan.17	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
23.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.001	0.000
24.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.015	0.000
25.Jan.17	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000
26.Jan.17	0.053	0.000	0.000	0.000	0.000	0.009	0.021	0.002	0.000
27.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000
28.Jan.17	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.031	0.000
29.Jan.17	0.006	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.000
30.Jan.17	0.046	0.006	0.000	0.000	0.000	0.000	0.037	0.000	0.000
31.Jan.17	0.014	0.000	0.004	0.000	0.000	0.000	0.004	0.000	0.000
TOTAL	**0.155**	**0.040**	**0.012**	**0.000**	**0.000**	**0.025**	**0.400**	**0.157**	**0.000**

ALL FIGURES IN MUs

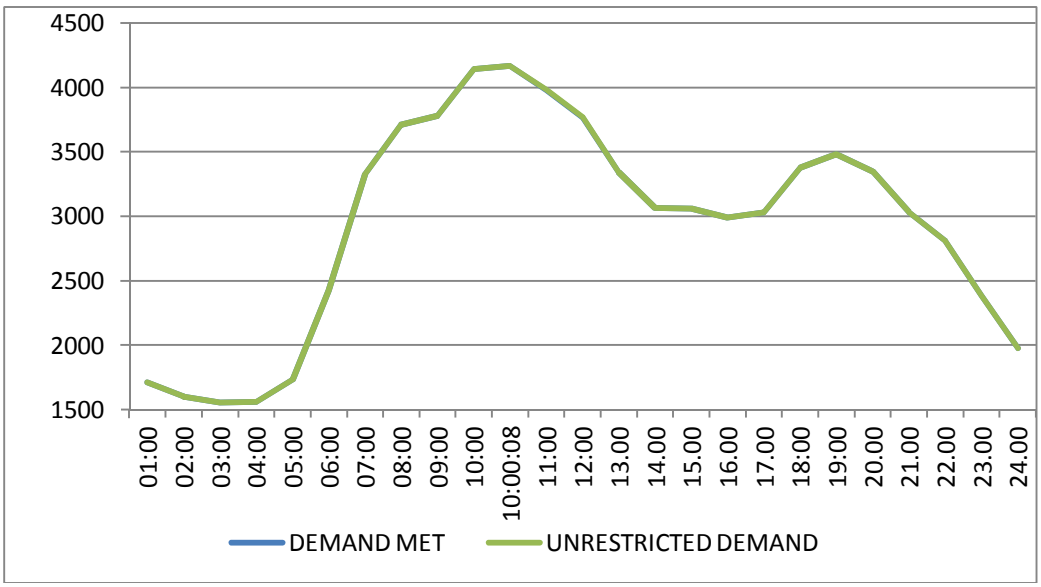
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.006**	**0.006**
02.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
03.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
04.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
05.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.007	**0.027**	**0.027**
06.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.005	**0.011**	**0.011**
07.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
08.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.032**
09.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.005	**0.062**	**0.062**
10.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.036**	**0.036**
11.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.086**	**0.126**
12.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.035**	**0.175**
13.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.011**	**0.011**
14.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.006	**0.009**	**0.023**
15.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.023**
16.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.015	**0.024**	**0.024**
17.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.021	**0.021**	**0.045**
18.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.016	**0.035**	**0.035**
19.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.010**	**0.010**
20.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
21.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	**0.023**	**0.023**
22.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.014	**0.025**	**0.025**
23.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
24.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.025**	**0.025**
25.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
26.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.085**	**0.085**
27.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.057**	**0.057**
28.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.047**	**0.060**
29.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.012**
30.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.089**	**0.089**
31.Jan.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.145**	**0.934**	**1.172**

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.Jan.17	**57.911**	**3536**	10:23:55	0	**3536**	**3536**	10:23:55	**3536**	0
02.Jan.17	**59.282**	**3640**	10:34:49	0	**3640**	**3640**	10:34:49	**3640**	0
03.Jan.17	**59.943**	**3673**	10:17:36	0	**3673**	**3673**	10:17:36	**3673**	0
04.Jan.17	**59.827**	**3622**	10:30	0	**3622**	**3622**	10:30	**3622**	0
05.Jan.17	**59.090**	**3547**	10:03:41	2	**3549**	**3549**	10:03:41	**3547**	2
06.Jan.17	**61.230**	**3746**	10:30	0	**3746**	**3746**	10:30	**3746**	0
07.Jan.17	**56.339**	**3365**	10:30	0	**3365**	**3365**	10:30	**3365**	0
08.Jan.17	**56.977**	**3572**	10:28	0	**3572**	**3572**	10:28	**3572**	0
09.Jan.17	**61.172**	**3750**	10:19:00	0	**3750**	**3750**	10:19:00	**3750**	0
10.Jan.17	**63.206**	**3780**	10:00	5	**3785**	**3785**	10:00	**3780**	5
11.Jan.17	**63.317**	**3895**	10:32	0	**3895**	**3895**	10:32	**3895**	0
12.Jan.17	**64.088**	**3907**	10:30	0	**3907**	**3907**	10:30	**3907**	0
13.Jan.17	**67.161**	**4026**	10:30	0	**4026**	**4026**	10:30	**4026**	0
14.Jan.17	**62.971**	**3981**	11:00	0	**3981**	**3981**	11:00	**3981**	0
15.Jan.17	**59.865**	**3704**	10:30	18	**3722**	**3722**	10:30	**3704**	18
16.Jan.17	**63.675**	**3773**	09:56:23	0	**3773**	**3773**	09:56:23	**3773**	0
17.Jan.17	**67.567**	**4016**	10:02:50	0	**4016**	**4016**	10:02:50	**4016**	0
18.Jan.17	**68.099**	**4039**	10:30:11	5	**4044**	**4044**	10:30:11	**4039**	5
19.Jan.17	**67.512**	**3976**	10:10:06	0	**3976**	**3976**	10:10:06	**3976**	0
20.Jan.17	**68.742**	**4168**	10:00:08	0	**4168**	**4168**	10:00:08	**4168**	0
21.Jan.17	**65.805**	**3982**	09:20:49	0	**3982**	**3982**	09:20:49	**3982**	0
22.Jan.17	**63.286**	**3962**	10:44:59	0	**3962**	**3962**	10:44:59	**3962**	0
23.Jan.17	**64.326**	**3777**	10:00	0	**3777**	**3777**	10:00	**3777**	0
24.Jan.17	**64.339**	**3778**	09:54:40	0	**3778**	**3778**	09:54:40	**3778**	0
25.Jan.17	**64.157**	**3770**	10:30:06	0	**3770**	**3770**	10:30:06	**3770**	0
26.Jan.17	**50.255**	**3084**	10:04:15	0	**3084**	**3084**	10:04:15	**3084**	0
27.Jan.17	**62.342**	**3768**	10:42	0	**3768**	**3768**	10:42	**3768**	0
28.Jan.17	**62.407**	**3743**	10:17:29	0	**3743**	**3743**	10:17:29	**3743**	0
29.Jan.17	**60.836**	**3825**	10:37:44	0	**3825**	**3825**	10:37:44	**3825**	0
30.Jan.17	**62.340**	**3842**	10:25:52	60	**3902**	**3902**	10:25:52	**3842**	60
31.Jan.17	**63.509**	**3765**	09:56:06	2	**3767**	**3767**	09:56:06	**3765**	2
TOTAL	**1931.576**	**4168** **22.01.2017**	10:00:08	0	**4168** **22.01.2017**	**4168**	10:00:08	**4168**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2017 ON 20.01.2017- 4168MW AT 10.00.08HRS.

All figures in MW

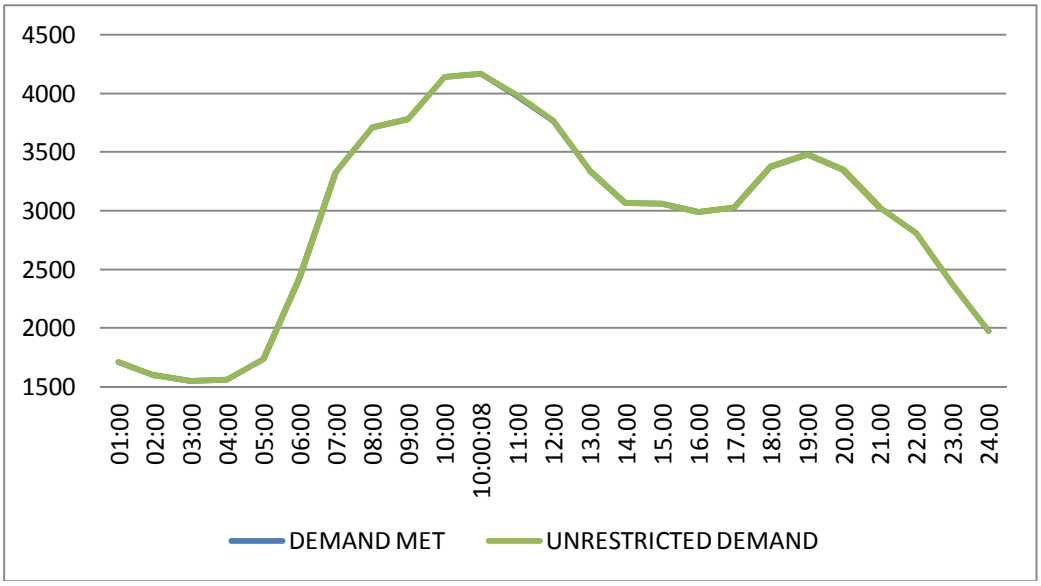
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1714	0	1714
02:00	1601	0	1601
03:00	1554	0	1554
04:00	1562	0	1562
05:00	1736	0	1736
06:00	2423	0	2423
07:00	3327	0	3327
08:00	3710	0	3710
09:00	3782	0	3782
10:00	4142	0	4142
10:00:08	4168	0	4168
11:00	3976	9	3985
12:00	3762	6	3768
13.00	3344	0	3344
14.00	3065	0	3065
15.00	3058	0	3058
16.00	2988	0	2988
17.00	3031	0	3031
18:00	3377	0	3377
19:00	3482	0	3482
20.00	3350	0	3350
21.00	3029	0	3029
22.00	2811	0	2811
23.00	2382	0	2382
24.00	1977	0	1977
Total (IN MUS)	**68.742**	**0.018**	**68.760**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2017 ON 20.01.2017- 4168MW AT 10.00.08HRS.

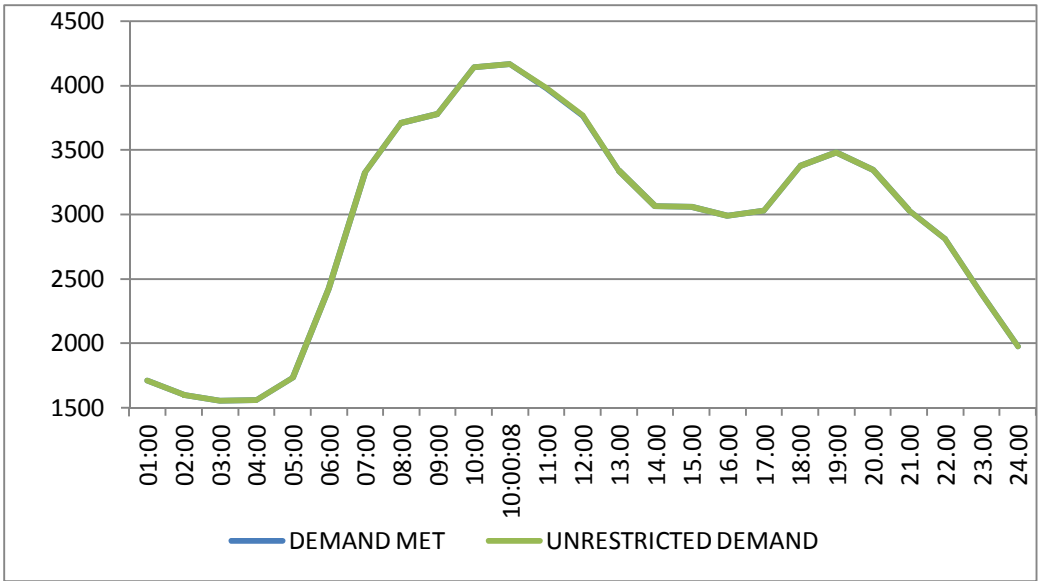
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1714	0	1714
02:00	1601	0	1601
03:00	1554	0	1554
04:00	1562	0	1562
05:00	1736	0	1736
06:00	2423	0	2423
07:00	3327	0	3327
08:00	3710	0	3710
09:00	3782	0	3782
10:00	4142	0	4142
10:00:08	4168	0	4168
11:00	3976	9	3985
12:00	3762	6	3768
13.00	3344	0	3344
14.00	3065	0	3065
15.00	3058	0	3058
16.00	2988	0	2988
17.00	3031	0	3031
18:00	3377	0	3377
19:00	3482	0	3482
20.00	3350	0	3350
21.00	3029	0	3029
22.00	2811	0	2811
23.00	2382	0	2382
24.00	1977	0	1977
Total (IN MUS)	**68.742**	**0.018**	**68.760**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2017 – 20.01.2017 – 68.742Mus All figures in MW

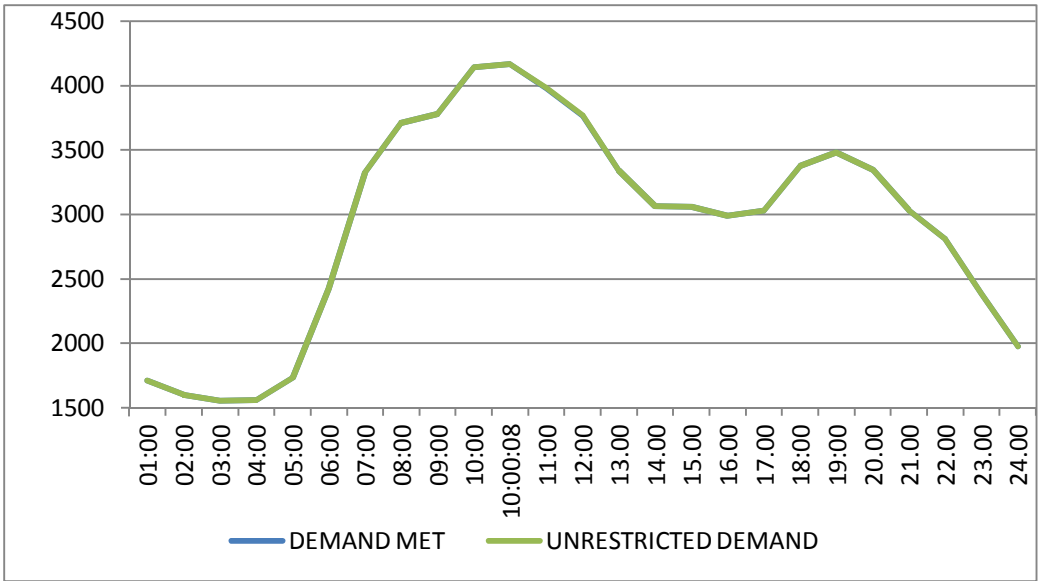
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1714	0	1714
02:00	1601	0	1601
03:00	1554	0	1554
04:00	1562	0	1562
05:00	1736	0	1736
06:00	2423	0	2423
07:00	3327	0	3327
08:00	3710	0	3710
09:00	3782	0	3782
10:00	4142	0	4142
10:00:08	4168	0	4168
11:00	3976	9	3985
12:00	3762	6	3768
13.00	3344	0	3344
14.00	3065	0	3065
15.00	3058	0	3058
16.00	2988	0	2988
17.00	3031	0	3031
18:00	3377	0	3377
19:00	3482	0	3482
20.00	3350	0	3350
21.00	3029	0	3029
22.00	2811	0	2811
23.00	2382	0	2382
24.00	1977	0	1977
Total (IN MUS)	**68.742**	**0.018**	**68.760**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2017 – 20.01.2017 – 68.760 Mus

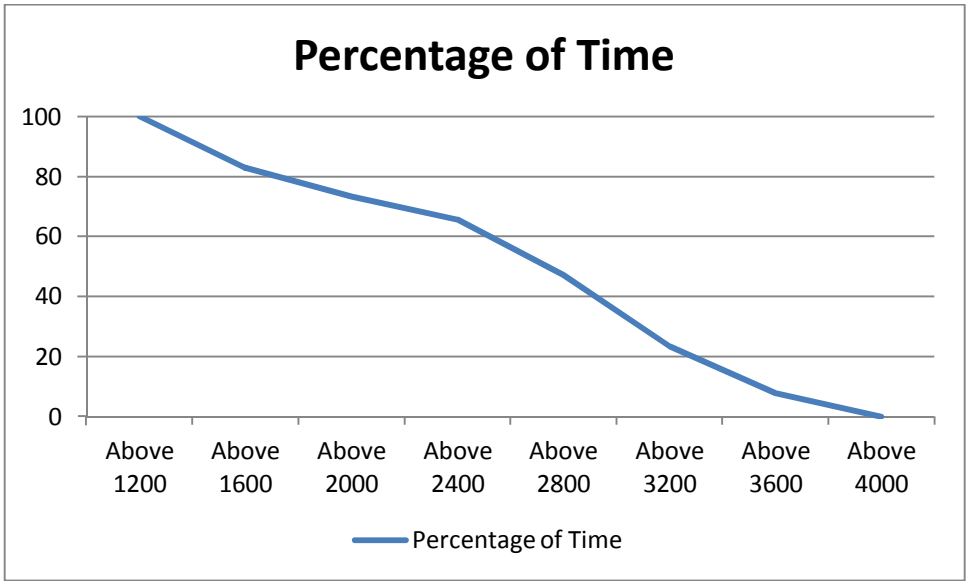
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1714	0	1714
02:00	1601	0	1601
03:00	1554	0	1554
04:00	1562	0	1562
05:00	1736	0	1736
06:00	2423	0	2423
07:00	3327	0	3327
08:00	3710	0	3710
09:00	3782	0	3782
10:00	4142	0	4142
10:00:08	4168	0	4168
11:00	3976	9	3985
12:00	3762	6	3768
13.00	3344	0	3344
14.00	3065	0	3065
15.00	3058	0	3058
16.00	2988	0	2988
17.00	3031	0	3031
18:00	3377	0	3377
19:00	3482	0	3482
20.00	3350	0	3350
21.00	3029	0	3029
22.00	2811	0	2811
23.00	2382	0	2382
24.00	1977	0	1977
Total (IN MUS)	**68.742**	**0.018**	**68.760**



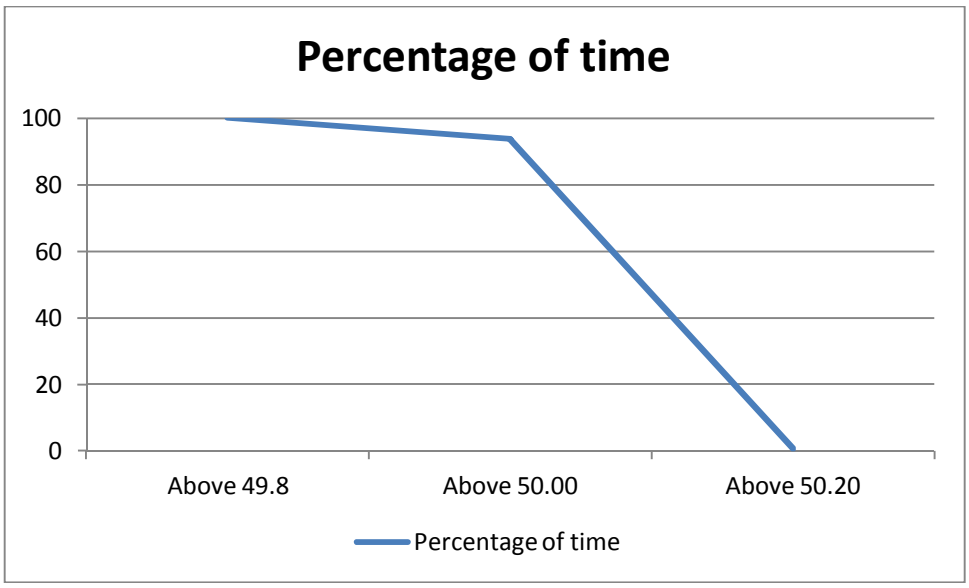
14 LOAD DURATION CURVE FOR JANUARY 2017

Load in MW	Percentage of Time
Above 1200	100.00
Above 1600	82.86
Above 2000	73.32
Above 2400	65.56
Above 2800	47.11
Above 3200	23.52
Above 3600	7.96
Above 4000	0.00



15 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2017

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.00	93.62
Above 50.20	0.71



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jan.17	235.11	220.53	236.91	217.70
02.Jan.17	233.82	217.70	235.88	--
03.Jan.17	234.72	217.31	235.23	207.25
04.Jan.17	235.23	215.76	241.81	208.67
05.Jan.17	233.82	219.76	240.39	209.44
06.Jan.17	235.62	219.11	240.52	--
07.Jan.17	237.69	221.44	236.01	--
08.Jan.17	235.62	222.08	240.78	215.12
09.Jan.17	234.98	218.86	238.85	215.63
10.Jan.17	233.17	217.95	238.97	219.11
11.Jan.17	233.82	216.92	237.81	216.53
12.Jan.17	237.17	226.34	236.46	230.08
13.Jan.17	239.88	222.98	242.97	219.24
14.Jan.17	240.39	224.92	239.75	215.37
15.Jan.17	239.75	227.24	241.43	220.15
16.Jan.17	241.04	223.50	242.72	214.99
17.Jan.17	239.75	221.69	241.81	215.12
18.Jan.17	240.14	220.92	241.04	218.47
19.Jan.17	240.14	224.01	240.39	214.34
20.Jan.17	239.88	220.53	240.91	211.12
21.Jan.17	239.88	223.11	230.88	--
22.Jan.17	238.85	226.72	240.14	--
23.Jan.17	240.14	224.27	240.52	--
24.Jan.17	240.26	224.01	243.62	223.76
25.Jan.17	236.97	227.50	244.78	--
26.Jan.17	232.66	232.66	245.68	--
27.Jan.17	238.46	220.92	245.68	--
28.Jan.17	240.78	221.18	246.33	224.27
29.Jan.17	241.55	227.63	246.07	--
30.Jan.17	241.81	226.21	235.36	--
31.Jan.17	240.52	225.30	241.43	219.76

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.17	421.51	00.54.16	400.27	12.11.00	412.55
02.Jan.17	419.03	04.02.20	395.11	12.24.00	408.01
03.Jan.17	420.43	04.00.44	393.23	09.38.00	408.00
04.Jan.17	421.61	02.49.20	393.47	12.10.00	407.14
05.Jan.17	420.43	04.00.23	396.75	12.13.00	408.02
06.Jan.17	422.78	04.00.50	396.05	12.18.00	409.84
07.Jan.17	423.25	04.01.56	398.39	14.27.00	410.98
08.Jan.17	421.37	15.04.40	403.08	18.22.00	412.15
09.Jan.17	422.55	02.00.28	403.99	09.26.00	409.28
10.Jan.17	417.15	00.12.57	393.23	07.28.00	404.50
11.Jan.17	415.98	00.02.19	389.72	11.52.00	403.27
12.Jan.17	415.04	20.59.37	402.85	22.37.00	407.46
13.Jan.17	417.86	02.00.48	388.54	10.07.00	403.16
14.Jan.17	418.32	02.59.25	389.95	10.08.00	405.44
15.Jan.17	420.90	23.58.40	399.57	05.26.00	408.39
16.Jan.17	420.67	00.02.40	393.70	12.19.00	405.16
17.Jan.17	417.86	04.00.15	389.72	10.15.00	403.08
18.Jan.17	417.15	04.01.39	390.19	10.08.00	403.36
19.Jan.17	416.92	04.00.25	391.12	10.24.00	404.03
20.Jan.17	418.09	04.00.38	389.01	10.19.00	403.80
21.Jan.17	418.56	01.21.01	389.95	10.20.00	404.02
22.Jan.17	416.21	20.59.09	397.92	09.36.00	408.57
23.Jan.17	416.92	02.59.20	391.36	06.37.00	406.19
24.Jan.17	420.20	03.02.34	393.94	14.37.00	406.79
25.Jan.17	421.37	04.00.00	396.28	06.33.00	408.97
26.Jan.17	423.01	01.28.00	402.14	06.51.00	414.70
27.Jan.17	419.50	21.58.00	395.58	18.25.00	408.95
28.Jan.17	421.84	00.11.00	401.68	08.46.00	411.31
29.Jan.17	418.09	23.31.00	404.25	18.27.00	412.02
30.Jan.17	419.26	03.37.00	397.92	06.55.00	409.35
31.Jan.17	419.03	21.51.00	398.16	06.50.00	410.27

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.17	425.59	00.52.38	405.66	12.11.00	416.48
02.Jan.17	424.19	01.56.20	400.50	12.24.00	412.71
03.Jan.17	425.36	04.01.11	400.74	09.39.00	412.56
04.Jan.17	426.30	02.49.43	398.63	12.11.00	411.39
05.Jan.17	424.19	03.59.42	401.91	14.18.00	412.43
06.Jan.17	426.77	03.57.56	401.91	12.21.00	414.99
07.Jan.17	429.58	04.03.10	404.49	14.27.00	417.00
08.Jan.17	425.12	03.33.48	408.01	18.23.00	416.50
09.Jan.17	426.30	01.58.41	404.49	12.12.00	415.56
10.Jan.17	423.95	00.13.33	402.85	09.47.00	412.85
11.Jan.17	423.95	04.01.16	399.57	12.11.00	411.67
12.Jan.17	420.43	20.59.21	410.35	22.36.00	412.99
13.Jan.17	425.12	02.00.55	399.10	12.25.00	411.48
14.Jan.17	427.23	03.03.37	403.08	12.12.00	415.00
15.Jan.17	428.41	23.58.17	410.12	12.17.00	417.51
16.Jan.17	428.88	03.49.15	404.02	12.19.00	414.84
17.Jan.17	426.77	03.58.55	402.14	10.15.00	412.80
18.Jan.17	426.77	04.00.04	401.68	12.19.00	412.90
19.Jan.17	426.53	03.59.54	402.14	12.35.00	413.75
20.Jan.17	426.30	03.42.50	401.68	10.21.00	413.16
21.Jan.17	427.47	03.00.27	402.14	12.06.00	413.66
22.Jan.17	425.36	01.18.27	408.48	10.09.00	417.28
23.Jan.17	426.77	02.57.36	404.49	06.49.00	415.05
24.Jan.17	428.41	03.03.10	400.97	14.36.00	414.64
25.Jan.17	428.88	03.26.10	407.30	06.54.00	417.53
26.Jan.17	431.92	01.28.00	412.46	06.51.00	423.58
27.Jan.17	429.81	01.43.00	402.85	18.23.00	417.96
28.Jan.17	427.94	00.12.00	408.71	18.44.00	418.16
29.Jan.17	428.88	01.51.00	410.82	10.14.00	420.29
30.Jan.17	428.88	02.33.00	407.30	18.41.00	421.08
31.Jan.17	427.47	03.59.00	408.48	06.46.00	419.05

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 JANUARY 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	3.1.17	07:01	220kV GAZIPUR- PATPARGANJ CKT	16.1.17	14:30	CKT. TRIPPED ON 86.
8	3.1.17	07:23	220kV DSIIDC BAWANA-NARELA CKT-II	3.1.17	10:51	AT DSIDC BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 1.231KM, 86. AT NARELA CKT DID NOT TRIP.
9	3.1.17	07:29	220kV MAHARANIBAGH-MASJID MOTH CKT-I	3.1.17	07:35	AT MASJID MOTH CKT. TRIPPED ON DIST PROT, O/C. AT MAHARANI BAGH CKT. DID NOT TRIPED.
10	3.1.17	07:29	MASJID MOTH 33kV ALAKANANDA CKT.	3.1.17	22:55	CKT. TRIPPED WITHOUT INDICATION.
11	3.1.17	08:05	220kV BAWANA - KANJHAWALA CKT-2	3.1.17	11:15	AT BAWANA CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 3.40KM.
12	3.1.17	08:05	BAWANA 400/220kV 315MVA ICT-VI	3.1.17	08:54	ICT TRIPPED ON 86.
13	4.1.17	00:23	220kV MAHARANI BAGH - LODHI ROAD CKT-I	Contd.		AT MAHARANI BAGH CKT. TRIPPED DUE TO END BOX DAMAGED. AT LODHI ROAD CKT. DID NOT TRIP.
14	7.1.17	04:53	KANJHAWALA 66/11kV, 20MVA Tx-I	7.1.17	10:05	TR. TRIPPED ON 86, BUCHOLZ.
15	8.1.17	06:25	MUNDKA 220/66kV 160MVA Tx-II	8.1.17	18:20	TR. TRIPPED ON 86, B & C PHASE.
16	9.1.17	07:53	220KV WAZIRABAD - MANDOLA CKT-III	9.1.17	17:13	AT WAZIRABAD CKT. TRIPPED ON RYB PHASE, DIST PROT, ZONE-I, DIST 1.97KM, JUMPER OF THE CKT. REPORTED TO BE BROKEN NEAR CRPF CAMP.
17	11.1.17	07:30	220kV BAMNAULI-PAPPANKALAN-II CKT-II	11.1.17	14:04	AT PAPANKALAN-II CKT. TRIPPED WITHOUT INDICATION.
18	12.1.17	10:37	220kV GAZIPUR - BTPS CKT	12.1.17	13:35	AT BTPS CKT. TRIPPED ON DIST PROT, DIST 9.5KM. CKT. DID NOT TRIPPED AT GAZIPUR.
19	12.1.17	16:00	220kV MEHRAULI - VASANT KUNJ CKT.- II	12.1.17	17:20	AT MEHRAULI CKT. TRIPPED WITHOUT INDICATION AT VASANT KUNJ CKT. DID NOT TRIP.
20	19.1.17	10:42	KANJHAWALA 66/11kV, 20MVA Tx-I	19.1.17	12:52	TR. TRIPPED ON 86.
21	20.1.17	10:39	PAPPANKALAN-I 66kV G-6 PPK CKT-II	20.1.17	14:30	R PHASE LINE ISOLATOR GOT BURNT.
22	21.1.17	12:33	220kV Harsh Vihar - Preet Vihar Ckt-II	21.1.17	12:37	WHILE ARRANGING SHUTDOWN OF 220KV HARSH VIHAR - PREET VIHAR CKT. -I CKT. TRIPPED AT PREET VIHAR END.
23	21.1.17	15:10	220kV Harsh Vihar - Preet Vihar Ckt-II	21.1.17	19:42	AT PREET VIHAR CKT. TRIPPED ON 86A, 86B, CVT AVAILABLE.
24	22.1.17	08:03	NARELA 220/66kV 100MVA Tx-I	22.1.17	08:25	TR. TRIPPED ON 186.
25	23.1.17	04:42	220kV KANJHAWALA-NAJAFGARH CKT	23.1.17	10:51	AT KHANJAWALA CKT .TRIPPED ON DIST PROT, ZONE-I, CVT AVAILABLE AT NAJAFGARH.
26	25.1.17	03:25	220kV GAZIPUR- PATPARGANJ CKT	25.1.17	03:32	AT GAZIPUR CKT. TRIPPED ON GEN TRIP. AUX RELAY.
27	25.1.17	03:58	220kV GAZIPUR- PATPARGANJ CKT	25.1.17	04:08	AT GAZIPUR CKT. TRIPPED ON DIST RELAY, AUXILLARY RELAY.
28	25.1.17	08:32	WAZIRABAD 220/66kV 100MVA Tx-I	25.1.17	08:47	66KV I/C-I TRIPPED ON O/C, R PHASE, E/F, 86

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
29	25.1.17	08:33	WAZIRABAD 220/66kV 100MVA Tx-III	25.1.17	08:47	66KV I/C-III TRIPPED ON R PHASE, E/F
30	25.1.17	08:33	WAZIRABAD 220/66kV 100MVA Tx-II	25.1.17	08:47	I/C -II TRIPPED ON E/F, 86
31	25.1.17	13:03	220kV GAZIPUR- PATPARGANJ CKT	26.1.17	14:32	AT GAZIPUR CKT. TRIPPED ON 86. AUTO RECLOSE, GEN TRIP.
32	26.1.17	00:29	220kV GAZIPUR- PATPARGANJ CKT	26.1.17	00:32	AT GAZIPUR CKT. TRIPPED ON 86, GENERAL TRIP.
33	26.1.17	01:30	400kV Bawana-Mundka Ckt-I	26.1.17	03:09	AT BAWANA CKT. TRIPPED ON CB OPERATION LOCKOUT, 86.
34	26.1.17	01:30	400kV Bawana-Mundka Ckt-II	26.1.17	03:09	AT BAWANA CKT. TRIPPED ON CB OPERATION LOCKOUT, 86.
35	26.1.17	09:57	KANJHAWALA 220/66kV 100MVA Tx-II	26.1.17	10:00	TR. TRIPPED ON LOW PRESSURE.
36	26.1.17	12:35	220kV GEETA COLONY- PATPARGANJ CKT -II	26.1.17	13:16	AT PATPARGANJ CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 1.586KM, B PHASE. AT GEETA COLONY CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 2.8KM.
37	26.1.17	12:51	220kV Harsh Vihar - Preet Vihar Ckt-I	26.1.17	13:02	AT HARSH VIHAR CKT. TRIPPED ON 86-1, 86-2, GEN TRIP, VT FUSE FAIL ALARM. AT PREET VIHAR CKT. TRIPPED ON 86A&B.
38	26.1.17	13:02	400kV Ballabhgarh-Bamnauli Ckt-II	27.1.17	08:31	AT BAMNAULI CKT. TRIPPED ON 85LD, O/ LOADING RELAY, 30G.
39	26.1.17	13:02	220kV Preet Vihar- Patparganj Ckt-II	26.1.17	13:10	AT PREET VIHAR CKT. TRIPPED ON 86A&B. AT PATPARGANJ CKT. TRIPPED ON OVER VOLTAGE.
40	26.1.17	13:02	220kV Harsh Vihar - Preet Vihar Ckt-I	26.1.17	13:10	AT PREET VIHAR CKT. TRIPPED ON 86&B. AT HARSH VIHAR CKT. TRIPPED ON 86-1&2, GENERAL TRIP.
41	26.1.17	13:02	220kV Preet Vihar- Patparganj Ckt-I	26.1.17	13:10	AT PREET VIHAR CKT. TRIPPED ON 86A&B. AT PATPARGANJ CKT. TRIPPED ON OVER VOLTAGE.
42	26.1.17	18:48	MASJID MOTH 220/33kV 100MVA Tx-I	26.1.17	18:34	TR. TRIPPED ON DIFFERENTIAL, O/C, E/F.
43	26.1.17	18:55	HARSH VIHAR 400/220kV 315MVA ICT-I	26.1.17	19:34	ICT TRIPPED ON E/F, 86 A, I/C TRIPPED ON 86.
44	26.1.17	19:58	NARELA 220/66kV 100MVA Tx-II	26.1.17	21:16	TR. TRIPPED ON WITHOUT INDICATION.
45	27.1.17	01:57	400kV Dadri-Harsh Vihar Ckt-I	27.1.17	09:24	AT HARSH VIHAR CKT. TRIPPED ON GEN TRIP, RYB PHASE, CB TROUBLE ALARM, 86, AUTO RECLOSE.
46	27.1.17	09:59	220kV Harsh Vihar - Preet Vihar Ckt-I	27.1.17	18:12	AT PREET VIHAR CKT. TRIPPED ON DIST PROT, B PHASE.
47	27.1.17	09:59	220kV Harsh Vihar - Preet Vihar Ckt-II	31.1.17	18:12	AT PREET VIHAR CKT. TRIPPED ON DIST PROT, B PHASE.
48	27.1.17	10:01	HARSH VIHAR 400/220kV 315MVA ICT-I	28.1.17	04:49	ICT TRIPPED ON 86.
49	27.1.17	18:32	220kV BAMNAULI-PAPPANKALAN-II CKT-I	27.1.17	01:17	AT BAMNAULI CKT. TRIPPED ON DIST PROT, ZONE-I, DIST 9.482KM, B PHASE.
50	28.1.17	10:25	MASJID MOTH 220/33kV 100MVA Tx-II	28.1.17	14:45	I/C-II TRIPPED ON DIFFERENTIAL, 86, O/C.
51	28.1.17	17:09	220kV BAWANA-DSIIDC BAWANA CKT-II	28.1.17	17:34	AT BAWANA CKT. TRIPPED WITHOUT INDICATION.
52	29.1.17	00:15	220kV GAZIPUR- PATPARGANJ CKT	29.1.17	00:22	AT GAZIPUR CKT. TRIPPED ON GEN TRIP.
53	29.1.17	00:45	220kV GAZIPUR- PATPARGANJ CKT	29.1.17	09:35	AT GAZIPUR CKT. TRIPPED ON GEN TRIP.
54	30.1.17	12:55	220kV Harsh Vihar - Preet Vihar Ckt-I	30.1.17	15:45	AT PREET VIHAR CKT. TRIPPED ON B PHASE, 86, A&B, O/V. AT PARTPARGANJ CKT. TRIPPED ON O/V.
55	30.1.17	12:55	220kV Preet Vihar- Patparganj Ckt-I	30.1.17	13:10	AT PATPARGANJ CKT. TRIPPED ON 86.
56	30.1.17	13:45	220kV MEHRAULI - VASANT KUNJ CKT.-I	30.1.17	13:58	AT MEHRAULI CKT. TRIPPED WITHOUT INDICATION.
57	30.1.17	13:45	220kV MEHRAULI - VASANT KUNJ CKT.- II	30.1.17	13:58	AT MEHRAULI CKT. TRIPPED WITHOUT INDICATION.
58	30.1.17	16:00	220kV Harsh Vihar - Preet Vihar Ckt-I	30.1.17	18:01	AT HARSH VIHAR CKT. TRIPPED ON GEN TRIP, Y PHASE TRIP, OVER VOLTAGE, 86.
59	31.1.17	08:22	220kV PRAGATI - SARITA VIHAR CKT-II	31.1.17	09:10	AT PRAGATI CKT. TRIPPED ON 86, POLE DISCREPANCY.
60	31.1.17	13:07	220kV Harsh Vihar - Preet Vihar Ckt-I	Contd.		AT HARSH VIHAR CKT. TRIPPED ON 86, AUTO RECLOSE.

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

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