DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

SEPTEMBER 2017

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	SEPT. 2016	SEPT. 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)**	**5305**	**5661**
	Date	20.09.2016	14.09.2017
	Time	22.50.39	23.00.29
3	**Peak Demand met (MW)**	**5301**	**5661**
	Date	20.09.2016	14.09.2017
	Time	22.50.39	23.00.29
4	Peak Availability (MW)	5120	5644
5	Shortage (-) / Surplus (+) in MW	(-) 181	(-) 17
6	Percentage Shortage (-) / Surplus (+)	(-) 3.41	(-) 0.30
7	Maximum Energy Consume in a day (Mus)	110.496	117.954
8	Energy Consumed during the month	**3101.054**	**3131.618**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions	0.000	0.000
i)	Under Frequency Relay Operations	0.000	0.019
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	0.206	0.014
	BRPL	0.942	0.390
	BYPL	0.072	0.014
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.164	0.000
	Total due to Grid Restriction	**1.384**	**0.437**
B)	Due to Constraints in System in Mus		
	DTL	0.583	0.628
	NDPL	0.171	0.071
	BRPL	0.312	0.737
	BYPL	0.131	0.050
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.001	0.000
	Total	**1.198**	**1.486**
11	**Grand Total in Mus**	**2.582**	**1.923**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING SEPTEMBER 2017

A) For the month of September 2017

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.236	-0.236	--	--
2.	**GT**	81.090	2.696	78.394	81.64	75.540
3.	**PPCL**	193.271	4.373	188.898	97.32	36.011
4.	**BTPS**	229.92	21.800	208.120	57.40	44.667
5.	**Rithala**	0.000	0.060	-0.060	**89.17**	61.008
6.	**Bawana**	263.870	9.536	254.334	44.52	172.533
7.	**Towmcl**	13.054	2.018	11.036	--	--
8.	**EDWPCL**	1.582	0.838	0.744	--	--
9.	**DMSWL**	8.517	1.970	6.547	--	--
	TOTAL	**791.304**	**43.527**	**747.777**	**--**	**389.759**

B) For the Year 2017-18 (Upto September 2017)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Sept. 2017	Availability (%) for Sept. 2017	PLF (%) for Sept. 2017	Cumulative Generation in MUs upto Sept. 2017 for the year 2017-18	Cumulative Availability in % upto Sept. 2017 for the year 2017-18	Cumulative PLF in % upto Sept. 2017 for the year 2017-18
RPH	135	-0.236	--	--	0.000	--	--
GT	270	78.394	81.64	41.58	314.669	79.69	26.17
PPCL	330	188.898	97.32	81.69	882.155	97.86	61.13
BTPS	705	208.120	57.40	46.22	1111.713	58.80	47.00
Rithala	108	-0.060	**89.17**	0.00	0.00	**88.59**	0.00
Bawana	1372	254.334	44.52	26.37	1534.395	79.87	25.52
Towmcl	16	11.036	--	--	81.529	--	--
EDWPCL	--	0.744	--	--	11.302	--	--
DMSWL	--	6.547	--	--	57.180	--	--
TOTAL	2936	**747.777**	--	--	**3992.943**	--	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2017

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	67.5	08.05.15	13.40	Contd.		Not in operation due to not meeting pollution norms.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	67.5	21.05.15	10.20	Contd.		Not in operation due to not meeting pollution norms.

(B) Gas Turbine

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	12:02	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC on CC NG.
		2.5.17	23:35	24.5.17	06:57	Machine stopped due to no schedule from SLDC on CC NG
		4.6.17	15:47	4.6.17	17:16	machine tripped with following alarm GAC Electrical protection Trouable , Electrical Trouable Normal shut down and Genarator Exciatation field failure alarm. Processor of DVR found faulty and same was replaced
		7.6.17	09:45	14.6.17	12:51	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.6.17	17:26	20.6.17	23:59	Machine tripped on Electrical Trouble Normal shut down and generator electrical protection. The following alarm also appeared on protection panel. Relay P141B operated, Rotor or stator earth fault and 11 KV Bkr gas pressure low.
		23.6.17	23:02	24.6.17	14:05	Machine Stopped due to Low SF-6 Gas Pressure in 11 KV Breaker.
		24.6.17	14:40	26.6.17	19:40	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		2.7.17	09:47	3.7.17	17:14	Stopped due to low demand and high frequency
		13.7.17	18:16	18.7.17	20:22	
		22.7.17	12:16	11.8.17	15:37	
		11.8.17	18:24	11.8.17	21:25	Machine stopped due to fire observed in load gear box.
		12.8.17	00:05	7.9.17	12:00	Stopped due to low demand and high frequency.
		18.9.17	07:55	18.9.17	18:11	
		22.9.17	11:50	22.9.17	14:30	Machine tripped on TAD High(155 mm WC)
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	28.9.17	14:58	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	4.4.17	00:04	20.4.17	16:50	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	24.5.17	10:20	After attending the cooling water leakage machine could not be taken on bar due no schedule from SLDC.
		29.5.17	06:12	29.5.17	09:45	Machine tripped while rebooting the Mark-IV system as the machine was operating while R&S controller was inoperative.
		29.5.17	09:45	02.06.17	09.15	Machine cleared from C&I side but SLDC did not allow to un the machine due to low demand in the Grid.
		2.6.17	09:15	2.6.17	20:13	machine could not be taken on bar as mark-IV system was found hanged. Card "HCMA"in <C> communicator and "HXPD" in <R> Controller was found faulty. These cards were replaced. After executing start command Machine came in temperature control mode and speed of machine did not increase after 2850 RPM.
		7.6.17	09:45	13.6.17	14:12	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		13.6.17	14:26	14.6.17	12:27	Machine taken on bar for testing.
		2.7.17	09:47	3.7.17	17:52	Stopped due to low demand and high frequency
		8.7.17	15:25	9.7.17	16:34	Tripped on loss of field on alarm Electrical trouble shutdown.
		10.7.17	10:26	10.7.17	16:45	Tripped on loss of field on alarm Electrical trouble shutdown.
		11.7.17	09:57	11.7.17	17:04	Machine tripped on Electrical Trouble Normal Shut Down and loss of field alarm on protection panel.
		11.7.17	17:10	13.7.17	10:43	Stopped due to low demand and high frequency
		13.7.17	12:35	14.7.17	13:50	Machine tripped on Electrical Trouble Normal Shut Down and loss of field alarm on protection panel.
		14.7.17	13:55	18.7.17	18:29	Stopped due to low demand and high frequency
		18.7.17	20:45	20.7.17	17:50	
		22.7.17	18:59	10.8.17	15.38	
		12.8.17	00:07	7.9.17	14:38	
		18.9.17	07:50	18.9.17	17:46	
		23.9.17	08:15	23.9.17	12:15	Machine stppoed to attend NRV in return line ACW line.
		23.9.17	12:15	25.9.17	12:49	Stopped due to low demand and high frequency
		25.9.17	16:10	28.9.17	14:38	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	29.7.17	14.53	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		29.7.17	15:04	04.8.17	17.10	Machine stopped after taking trial test as there was no schedule from SLDC.
		4.8.17	22:32	5.8.17	16:42	Stopped due to low demand and high frequency
		6.8.17	02:15	7.9.17	11:32	
		7.9.17	15:35	14.9.17	05:36	
		16.9.17	13:22	19.9.17	11:17	
		21.9.17	14:08	21.9.17	16:27	Machine tripped, No alarm appeared but fuel failure alram came on protection pannel. The Cooing water for Turbine oil cleaning was very dirty and this water was drained after that fresh DM water taken into tank and Machine synchronised.
		22.9.17	12:30	22.9.17	14:30	Machine tripped on TAD High
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:11	Machine not available due to problem in NRV of ACW line.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	4.4.17	23:58	30.4.17	07:00	Machine stopped due to low demand on CC Spot R-LNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	02.06.17	12.25	Machine stopped due to no schedule from SLDC on CC Spot R-LNG
		2.6.17	12:30	5.6.17	13:30	Stopped due to low demand and high frequency
		5.6.17	13:30	5.6.17	15:50	After giving start command to machine it came on FSNL in due time. While trying to sybchronise its 11 KV breaker not taking Close command inspite all permissive healthy.After checking DVR and Mark-Vie system it was found that closing permissive from protection panel was not available. The problem rectified by Protection department and same was synchronised with Grid.
		6.6.17	22:13	14.9.17	09:28	Machine stopped due to low schedule from SLDC on CC Spot
		17.9.17	15:30	19.9.17	12:43	With heavy jerk in the system and inspecting at local its Y Phase Bus Conductor got snapped and oil is coming from the Bushes of R&Y Phase.
		20.9.17	00:05	23.9.17	08:15	Machine stopped as per SLDC message due to low demand on CCspot.
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	25.9.17	15:38	Stopped due to low demand and high frequency
		27.9.17	17:31	27.9.17	19:40	Machine tripped on Electrical Trouble Normal Shut down.
		27.9.17	19:45	30.9.17	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	4.4.17	00:00	25.4.17	18:57	machine taken to Hot Gas Path Inspection & Generator O/h since 25/03/2017
		25.4.17	19:57	30.4.17	07:00	Machine Cleared after synchronizing and running for one hour on 10 MW, 20MW and 30 MW
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	1.5.17	07:22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		16.5.17	12:40	16.5.17	13:46	Machine tripped on loss of Exciatation alongwith Electrical trouable normal shut down alarm on protection panel.
		24.5.17	11:25	05.06.17	17.50	Machine stopped due to no schedule from SLDC on CC NG
		16.6.17	03:46	13.07.17	13.21	Stopped due to low demand and high frequency
		13.7.17	14:41	13.7.17	17:15	Machine tripped on Exhaust over temperature trip alarm.
		14.7.17	18:57	15.7.17	12:25	Tripped on electrical normal shutdown.UAT E/F operated, differential trip, dirrerential R, Differential Y and Overall differential operated
		15.7.17	12:51	15.7.17	16:39	Machine stopped after taking trial and no schedule from SLDC.
		15.7.17	17:22	18.7.17	11:08	Stopped due to low demand and high frequency
		18.7.17	18:50	20.7.17	11:06	Machine stopped due to leakage of water from Warren Pump and less load on machine.
		20.7.17	13:37	22.7.17	18:45	Machine stopped after taking trial and no schedule from SLDC.
		28.7.17	10:42	29.7.17	15:25	Machine tripped on overspeed bolt trip alarm.Over speed bolt trip alarm reset and not taken on bar due to no schedule from SLDC.
		29.7.17	15:34	02.08.17	11.40	Machine stopped after taking trial and no schedule from SLDC.
		5.8.17	20:08	11.8.17	13:45	Stopped due to low demand and high frequency
		22.8.17	18:00	22.8.17	21:03	Machine stopped due to gas pressure low in 11 KV breaker
		26.8.17	12:00	26.8.17	19:50	Stopped due to low demand and high frequency.
		30.8.17	18:33	30.8.17	21:30	Machine stopped due to SF6 Gas pressure low alarm in 11 KV breakers.
		30.8.17	21:30	5.9.17	09:30	Stopped due to low demand and high frequency.
		7.9.17	10:05	7.9.17	10:54	Machine desynchronise to change the relay which got damaged and not permitting increase in load.
		17.9.17	15:30	17.9.17	17:20	With heavy jerk observed in the system GT#5 tripped.
		20.9.17	18:05	23.9.17	08:15	Stopped due to low demand and high frequency..
		23.9.17	08:15	23.9.17	13:59	Machine not available due to problem in NRV of ACW line.
		25.9.17	16:49	29.9.17	09:00	Machine Tripped due to lub oil temp high alarm. After that machine not taken on load due to no demand on OC spot.
		29.9.17	21:12	29.9.17	22:12	Machine tripped on Exhaust temp v.High
		29.9.17	22:52	30.9.17	23:59	Stopped due to low demand and high frequency.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	23.03.17	14.17	30.4.17	07:00	Machine stopped due to low schedule from SLDC on CC spot R-LNG.
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	2.5.17	12:45	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	12:45	2.5.17	22:25	After getting schedule from SLDC, Machine could not be taken on load due to early disengaging of Diesel Engine before 65% of Turbine full rpm.
		7.5.17	00:23	7.5.17	00:47	Machine taken on FSNL to change over from Bus bar BB-1 to BB-3
		22.5.17	15:00	06.06.17	21.21	Machine stopped due to no schedule from SLDC on CC NG
		16.6.17	03:49	13.07.17	15.20	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.7.17	20:18	22.7.17	12:12	Stopped due to low demand and high frequency
		27.7.17	02:44	27.7.17	15:35	(i) Communication failed with IO pack
		27.7.17	15:40	28.7.17	11:38	Stopped due to low demand and high frequency
		2.8.17	13:08	6.8.17	02:06	Machine stopped as per SLDC message due to low demand on CCNG.
		10.8.17	13:18	10.8.17	13:29	Machine came on FSNL due to disturbance in Pragati 220 KV I.P Ext Grid.
		26.8.17	03:13	26.8.17	22:22	Stopped due to low demand and high frequency.
		26.8.17	22:53	30.8.17	17:50	
		16.9.17	13:18	17.9.17	17:23	
		22.9.17	10:08	22.9.17	18:00	Machine tripped on TAD High(142 mm WC)
		22.9.17	18:00	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	25.9.17	12:55	Stopped due to low demand and high frequency
		25.9.17	19:02	29.9.17	08:00	
		30.9.17	21:00	30.9.17	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	15:56	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	23:35	24.5.17	09:40	Stopped due to low demand and high frequency
		7.6.17	09:45	14.6.17	16:58	
		2.7.17	09:47	3.7.17	17:14	Stopped due to low demand and high frequency
		8.7.17	15:25	8.7.17	17:07	Machine tripped as one of the running machine ,GT#2 tripped on loss of excitation.
		13.7.17	18:16	19.7.17	07:20	Stopped due to low demand and high frequency
		22.7.17	18:55	11.8.17	17.35	
		11.8.17	18:47	11.8.17	19:52	machine tripped on drum level very high alarm due drum level contronl valve of both circuit of HRSG# 2 not operative.
		12.8.17	00:07	16.8.17	12:45	Stopped due to low demand and high frequency.
		16.8.17	12:45	28.8.17	18:30	STG-1 taken out of DC due to condenser cleaning
		28.8.17	18:30	7.9.17	16:14	Stopped due to low demand and high frequency
		18.9.17	07:10	18.9.17	22:17	Machine stopped due to heavy leakage of DM water from NRV of CPH O/L valve of HRSG#2.
		19.9.17	12:30	19.9.17	13:40	Machine tripped on high Exhaust steam Pr. High. Though all the parameters were normal all of sudden Exhaust steam pressure became high with in the span of 2-3 seconds.
		23.9.17	08:15	23.9.17	12:15	Machine stopped to attend NRV of ACW Return line.
		23.9.17	12:15	27.9.17	17:05	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	1.4.17	11:39	1.4.17	19:25	Machine stopped to attend hot spot on R-Phase Line Isolator.
		4.4.17	00:00	30.4.17	07:00	Machine stopped due to low demand on CCNG from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	05.06.17	23.02	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		6.6.17	22:13	4.8.17	20.32	machine stopped as there was no schedule on CC SPOT.
		4.8.17	20:35	4.8.17	22:05	All of sudden load became zero and machine tripped manually.
		4.8.17	22:20	5.8.17	18:50	machine stopped as local operator informed about heavy steam leakage from MS-114 Valve.
		5.8.17	20:26	10.8.17	15:00	Suddenly machine tripped on multiple alram on BCD. Alram s like ESV closed and both boiler trip.
		10.8.17	15:00	26.8.17	03:00	After clearance from C&I machine is available but not taken on load due to low schedule from SLDC.
		26.8.17	03:00	26.8.17	16:45	Machine not available due to work in CW Inlet valve of STG#I.
		26.8.17	16:45	31.8.17	23:59	Machine is available but no schedule from SLDC on CCNG.
		14.9.17	16:07	14.9.17	17:34	machine tripped due to Hot well Level very high. As The running CEP-2A left the load due to choking of suction stainer and stand by CEP-28 was under PTW.
		17.9.17	15:30	19.9.17	13:09	machine tripped due to tripping of GT#4 as the machine was running on single GT.
		21.9.17	14:08	21.9.17	17:42	machine tripped due to tripping of GT#3 as the machine was running on single GT.
		22.9.17	12:30	22.9.17	14:30	machine tripped due to tripping of GT#3 as the machine was running on single GT.
		22.9.17	14:30	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	14:00	Machine not available due to problem in NRV of ACW line.
		28.9.17	01:00	30.9.17	23:59	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	28.3.17	18.45	24.4.17	18:00	Machine taken for Chemical Cleaning of Condensor
		24.4.17	18:00	30.4.17	07:00	Chemical Cleaning of Condensor completed but machine did not taken on load due to no schedule on CC Spot R-Lng from SLDC
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	1.5.15	11.22	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		7.5.17	08:30	7.5.17	10:47	There was hunting in 24 Volt Charger Out put Voltage which leads to tripping of MCB of DDC panel CRB01,CRB02, CRC01,CRC03 & CJJ02. Due to this Operating parameters were not available at BCD as well as on CRT and subsequently machine tripped on Turbine Ch-I & Ch-II.
		24.5.17	11:25	01.06.17	13.15	Machine stopped as there was no schedule on CCNG
		1.6.17	13:00	5.6.17	13:15	Machine taken under PTW to attend leakage of steam from Main Steam Turbine Control valve.
		5.6.17	13:15	5.6.17	19:55	As per SLDC msg Machine taken on Bar.
		5.6.17	20:26	5.6.17	21:16	Machine tripped on Turbine RJB Vibration V.High
		11.6.17	12:37	11.6.17	14:59	Machine tripped on Turbine channel-1 & 2 operated.
		15.6.17	11:39	15.6.17	12:52	Machine tripped on Turbine channel-1 & 2 operated.
		16.6.17	03:49	13.07.17	17.22	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.7.17	20:18	22.7.17	14:03	Stopped due to low demand and high frequency
		27.7.17	02:44	27.7.17	05:52	Machine tripped on Very High Drum level as the Drum level of HRSG# 5 could not be controlled . The other HRSG was tripped due to tripping of GT#6.
		28.7.17	10:42	28.7.17	12:42	Machine tripped as running Machine GT # 5 tripped on overspeed bolt alarm.
		28.7.17	19:18	28.7.17	20:06	Machine Tripped on Drum Level High
		28.7.17	20:54	28.7.17	22:21	Machine Tripped on Class A Trip relay operated
		5.8.17	20:08	6.8.17	04:00	Stopped due to low demand and high frequency.
		10.8.17	13:18	10.8.17	14:18	Machine tripped due to disturbance in Pragati 220 KV I.P Ext Grid.
		17.8.17	23:28	18.8.17	03:38	Machine tripped on exhaust pressure very high. Vaccum stars decreasing slowly and machine tripped when the value og vaccum was -0.78 Kg/Cm2. Both high and very high alarm appeared same time.
		20.8.17	07:10	20.8.17	11:10	Machine tripped due to Turbine Ch-1 & Ch-2 operated, Diff. expansion V.High and V.high, Turbine Brg. Temp and Generator bearing temp v.high alarm also appeared on BCD pannel. It was found that BK card failed and same was replaced.
		26.8.17	03:11	26.8.17	21:15	Machine stopped to attend CW Inlet Valve of STG #I.
		16.9.17	02:18	16.9.17	13:04	Machine stopped as the Generator winding tempertaure of Machine became high due to problem in cooling water.
		17.9.17	15:30	17.9.17	19:51	Machine tripped as there was disturbance in the yard due to snapping of Y phase bus conductor of GT#4.
		18.9.17	18:49	18.9.17	19:38	machine tripped with Turbine Ch-I & II oprerated.
		20.9.17	17:30	20.9.17	21:06	Machine stopped as the Generator winding tempertaure of Machine became high due to problem in cooling water.It is suspected that the seat of NRV of O/L valve in ACW line is in stucked position..
		22.9.17	10:08	22.9.17	18:00	Machine tripped on due to tripping of GT#6 on high TAD as the machine was running on single boiler.
		22.9.17	18:00	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	23.9.17	16:13	Stopped due to low demand and high frequency
		25.9.17	18:10	27.9.17	23:30	Machine stopped due to lube oil temp very high (75 to 80 degree C).
		27.9.17	23:30	28.9.17	23:59	Stopped due to low demand and high frequency
		30.9.17	21:00	30.9.17	23:59	

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	17.02.17	12.10	01.04.17	11.36	Unit tripped due to internal fault
		18.04.17	15.35	20.04.17	19.47	GT#2 swapped by GT#1 and started after getting schedule.
		27.04.17	00.39	02.06.17	12.36	Stopped due to low demand and high frequency
		02.06.17	19.34	05.06.17	14.20	
		07.06.17	10.34	13.06.17	15.49	
		16.06.17	07.27	17.06.17	09.51	
		20.06.17	11.08	11.07.17	17.48	
		11.07.17	16.17	27.07.17	11.26	
		07.08.17	12.03	11.08.17	12.33	
		14.08.17	07.37	14.08.17	12.12	Unit tripped due to internal fault
		15.08.17	16.46	15.08.17	21.30	
		15.08.17	21.30	16.08.17	11.03	Gt#1 remain stopped due to no schedule and started after getting schedule.
		22.08.17	11.24	22.08.17	12.09	Unit tripped due to internal fault
		24.09.17	20.20	25.09.17	11.00	Unit stopped to attend hot spot
		25.09.17	11.00	25.09.17	12.44	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	01.04.17	13.14	06.04.17	09.00	GT#2 swapped by GT#1
		06.04.17	09.00	06.04.17	19.00	GT#2 was unavailable for Planned Maintenance
		06.04.17	19.00	18.04.17	14.05	Stopped due to low demand and high frequency
		17.06.17	09.01	17.06.17	12.00	Stopped due to internal fault.
		17.06.17	12.00	21.06.17	05.40	Stopped due to low demand and high frequency
		01.08.17	08.58	01.08.17	11.15	Tripped due to as pressure low
		01.08.17	13.47	01.08.17	18.10	Unit tripped due to internal fault
		08.08.17	07.08	08.08.17	08.25	
		08.09.17	12.29	08.09.17	13.49	Unit tripped due to grid disturbance
		23.09.17	11.27	24.09.17	20.56	Stopped due to low demand and high frequency

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	24.04.17	09.33	27.04.17	10.49	STG tripped on internal fault.
		24.05.17	10.38	24.05.17	12.12	
		17.06.17	09.03	17.06.17	11.18	Desynchronized as G.T.-2 tripped on internal fault.
		20.06.17	11.08	21.06.17	08.45	Stopped due to low demand and high frequency
		08.08.17	07.08	08.08.17	09.50	Unit tripped due to internal fault
		25.08.17	17.23	25.08.17	18.54	Unit stopped to attend internal fault
		08.09.17	12.29	08.09.17	13.55	Unit tripped due to grid disturbance
		11.09.17	05.26	11.09.17	09.15	Unit stopped to attend hot spot

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	20.11.14	00.00	30.09.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	24.09.15	19.52	30.09.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	09.10.15	01.00	30.09.17	23.59	Not in operation due to not meeting pollution norms.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	04.04.17	05.17	17.04.17	07.13	Stopped due to low demand and high frequency
		29.04.17	10.37	29.04.17	12.42	Generator protection
		06.05.17	18.08	06.05.17	22.49	Hot spot on GT Bushing
		31.05.17	14.00	05.06.17	07.31	Stopped due to low demand and high frequency
		23.06.17	21.27	25.06.17	10.45	Stopped due to water wall leakage BTL.
		25.06.17	10.45	26.06.17	05.20	AVR excitation problem.
		07.07.17	18.12	08.07.17	20.10	Water wall leakage
		10.08.17	03.17	10.08.17	06.38	UTT/ST Problem.
		05.09.17	00.30	05.09.17	22.15	Water wall tube leakage
		12.09.17	17.13	14.09.17	09.55	Reheater tube leakage
		19.09.17	16.52	20.09.17	14.57	Wall wall tube leakage
		24.09.17	09.39	27.09.17	08.56	Stopped due to low demand and high frequency
		16.10.17	23.47	30.09.17	23.59	Stopped by DPCC due to not meeting pollution norms Stopped by DPCC

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	21.12.16	00.00	04.04.17	01.39	Stopped due to low demand and high frequency
		13.05.17	14.44	14.05.17	00.05	PA Fan 5A motor shaft shared
		14.05.17	00.06	14.05.17	05.34	Generation excitation low
		27.05.17	19.15	28.05.17	11.30	
		28.05.17	11.30	29.05.17	07.36	
		29.06.17	19.56	03.07.17	10.38	Stopped due to low demand and high frequency
		16.10.17	23.24	30.09.17	23.59	Stopped by DPCC due to not meeting pollution norms Stopped by DPCC

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	07.02.17	19.20	09.05.17	15:32	low or No scheduling of Bawana. (Trial Run)
		09.05.17	16:47	10.05.17	4:30	low or No scheduling of Bawana. (Trial Run)
		10.05.17	13:21	12.05.17	5:40	Stopped due to low demand and high frequency
		21.05.17	16:48	21.05.17	18:30	Black Out (Grid Restore@18:30 hrs.)
		21.05.17	18:30	24.05.17	10:18	
		31.05.17	20:15	16.06.17	16.50	
		16.06.17	00:00	16.06.17	16:50	
		17.06.17	19:30	17.06.17	7:41	Stopped due to low demand and high frequency
		19.06.17	17:39	19.06.17	8:11	
		23.06.17	19:01	23.06.17	8:05	
		25.06.17	12:35	25.06.17	6:54	
		06.08.17	12.32	06.08.17	14.44	Due to some maintenance work unit was taken out.
		07.08.17	12.39	07.08.17	14.27	Mixing of 220V AC & 110 DC.
		19.08.17	17.40	24.08.17	08.23	low or No scheduling of Bawana .
		25.09.17	11.04	30.09.14	23.59	Stopped due to internal fault

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	08.12.16	06.35	31.05.17	16.52	Stopped due to low demand and high frequency
		03.06.17	12.04	05.07.17	13.47	
		23.07.17	13.57	24.07.17	16.19	
		04.08.17	11.30	04.08.17	18.30	Tripped due to internal fault
		07.08.17	12.41	08.08.17	10.43	
		29.08.17	12.00	29.08.17	23.59	Stopped due to low demand and high frequency
		01.09.17	00.00	30.09.17	23.59	Upgradation and overhauling of generator.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	07.02.17	19.24	09.05.17	18:00	Minor Overhauling.(DC introduced w.e.f.18:00 hrs.)
		09.05.17	18:00	12.05.17	15:19	Stopped due to low demand and high frequency
		21.05.17	16:48	21.05.17	18:30	Black Out (Grid Restore@18:30 hrs.)
		21.05.17	18:30	24.05.17	9:01	Turbine Roter mtc.
		24.05.17	9:01	24.05.17	16:13	Stopped due to low demand and high frequency
		26.05.17	2:35	26.05.17	3:27	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list.
		31.05.17	5:13	31.05.17	7:26	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list. Malfunction of one Digital Input card which generates this signal was suspected.
		31.05.17	13:25	31.05.17	16:30	Due to AVR trouble alarm, Master relay operated and caused Generator Circuit Breaker of STG#1 to open. "Load shed detected" appeared in alarm list. Malfunctioning of OverVoltage Relay circuit generated this AVR Trouble alarm which caused Master Relay to operate.
		03.06.17	12.04	19.06.17	14.05	
		19.06.17	18.55	25.06.17	12.32	Stopped due to low demand and high frequency
		07.08.17	00.00	07.08.17	19.58	Mixing of 220V AC and 110V DC.
		25.09.17	11.16	28.09.17	19.30	Stopped due to internal fault
		28.09.17	19.30	30.09.17	23.59	Stopped due to non availability of G.T.-I & II

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	15.04.17	16.06	03.05.17	16.55	Stopped due to low demand and high frequency
		04.05.17	00.12	04.05.17	02.32	When lead selection was given to AOP-2, as per logic, AOP-1 stopped. But Pr. Transmitter sensed a dip in the lube oil pressure causing tripping of GT#3. AOP-1 came back in service with a time delay of 4 sec after command from Mark-VI.
		06.05.17	00.15	13.06.17	17.07	Stopped due to low demand and high frequency
		13.06.17	20.30	06.09.17	11.47	
		06.09.17	23.16	12.09.17	08.00	
		12.09.17	08.00	30.09.17	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.17	11.25	24.05.17	05.23	Stopped due to low demand and high frequency
		24.05.17	14.16	03.06.17	18.26	
		06.06.17	17.35	06.06.17	22.06	Due to Burning of PT circuit wire caused unbalance of voltage in relay thereby resulting in Stator Earth Fault.
		13.06.17	14.42	13.06.17	19.23	It was suspected that probably a mixing of AC & DC signals occurred instantaneously in the DDC panel (CRE 43 & 44) which controls the operations of all the Breakers from the remote (ECP/ OWS System), without any process command which resulted in instantaneous Trip command to Breakers.
		25.06.17	13.32	19.08.17	06.17	Due to changeover the machine.
		06.09.17	23.59	13.09.17	09.52	Stopped due to low demand and high frequency
		18.09.17	15.29	18.09.17	18.24	Due to earth rotar fault
		22.09.17	22.04	27.09.17	08.31	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	03.05.17	17.40	03.05.17	19.05	While checking the operation of LPBP of HRSG-3 inadvertently the CV got fully opened causing condenser vaccum to drop rapidly and STG-2 tripped on Low Condenser Vaccum
		12.05.17	17.30	04.06.17	00.14	Stopped due to low demand and high frequency
		04.06.17	14.38	04.06.17	17.00	Malfunction of DVR system apprehended which caused Field Breaker to open. The probable reason which would have caused this problem was the high ambient temperature inside the Thyristor Panel Room.
		04.06.17	18.39	04.06.17	21.34	Again Malfunction of DVR system apprehended which caused Field Breaker to open. The probable reason which would have caused this problem was the high ambient temperature inside the Thyristor Panel Room.
		06.06.17	17.35	07.06.17	01.18	Burning of PT circuit wire caused unbalance of voltage in relay thereby resulting in Stator Earth Fault.
		25.06.17	13.37	19.08.17	17.09	Stopped due to low demand and high frequency
		28.08.17	11.40	28.08.17	13.09	Tripped due to internal fault
		06.09.17	20.26	28.09.17	18.57	Stopped due to internal fault

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	30.09.17	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	30.09.17	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	30.09.17	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 01.04.2017

Name of the Stn	Installed capacity	Total Un-allocated	Basic Allocation	Basic Allocation at periphery	Allocation out of Unallocated Quota	Allocation out of Un-allocation Quota at Delhi periphery	Total allocation at Delhi periphery
1	2	3	4	5	6	7	(8)=(5)+(7)
NTPC STATIONS							
Singrauli STPS	2000	300	150	130	0	0	130
Rihand-I	1000	150	100	87	0	0	87
Rihand Stage -II	1000	150	126	109	0	0	109
Rihand Stage -III	1000	150	132	115	0	0	115
ANTA GPS	419	63	44	41	0	0	41
Auriya GPS	663.36	99	72	67	0	0	67
Dadri GPS	829.78	129	91	85	0	0	85
Dadri NCTPS (Th)	840	0	756	657	0	0	657
Dadri NCTPS (Th) Stage-II	980	147	735	639	0	0	639
Unchahaar-I TPS	420	20	24	21	0	0	21
Unchahaar-II TPS	420	63	47	41	0	0	41
Unchahaar-III TPS	210	31	29	25	0	0	25
TOTAL	**10582**	**1422**	**2362**	**2069**	**0**	**0**	**2016**
NHPC							
Baira Suil HPS	180	0	20	19	0	0	19
Salal HPS	690	0	80	76	0	0	76
Tanakpur HEP	94	0	12	11	0	0	11
Chamera HEP	540	0	43	41	0	0	41
Chamera-II HEP	300	54	40	38	0	0	38
Chamera-III HEP	231	35	29	28	0	0	28
URI-I HEP	480	0	53	50	0	0	50
URI-II HEP	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**	**2793**
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	622
Ultra Mega Projects							
Sasan	3960	0	446	383	0	0	400
Grand Total	**29847**	**2377**	**4536**	**4023**	**0**	**0**	**4032**

5 ALLOCATION OF POWER TO DISCOMS

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

(Allocation In %)

(A) 10.00hrs. to 17.00hrs.

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

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

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

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

6 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING SEPTEMBER 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	Townmcd	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	15.07.19	0	31	263	0	419	16	3	14	321	1067	3711	3675	36	4778	0	4778
2	00.00.08	0	36	262	0	430	16	3	14	320	1081	3185	3279	-94	4266	0	4266
3	23.00.36	0	35	260	0	429	13	0	13	317	1067	3594	3529	65	4661	0	4661
4	15.30.00	0	33	258	0	580	18	3	3	320	1215	3921	3848	73	5136	0	5136
5	15.26.03	0	33	260	0	549	16	6	3	155	1022	4127	4042	85	5149	0	5149
6	15.39.52	0	33	261	0	647	10	2	9	316	1278	3976	4017	-41	5254	35	5289
7	15.07.24	0	110	257	0	301	10	2	11	325	1016	4026	3874	152	5042	0	5042
8	15.20.50	0	139	261	0	304	12	2	4	320	1042	4086	4123	-37	5128	5	5133
9	23.02.24	0	148	264	0	309	17	0	6	314	1058	4039	4045	-6	5097	0	5097
10	22.58.09	0	148	260	0	305	12	-1	10	321	1055	4327	4269	58	5382	0	5382
11	15.03.09	0	146	266	0	306	18	1	10	355	1102	4329	4315	14	5431	23	5454
12	22.57.09	0	148	301	0	312	17	2	14	186	980	4530	4373	157	5510	0	5510
13	22.48.01	0	149	306	0	520	16	3	4	191	1189	4427	4338	89	5616	12	5628
14	23.00.29	0	212	262	0	451	17	2	2	345	1291	4370	4353	17	5661	0	5661
15	23.27.14	0	217	273	0	451	17	-2	4	320	1280	4212	4217	-5	5492	0	5492
16	00.00.22	0	217	274	0	497	17	-1	3	320	1327	4053	3896	157	5380	0	5380
17	23.14.56	0	147	259	0	450	16	-1	12	324	1207	3709	3731	-22	4916	0	4916
18	23.00.00	0	147	297	0	449	16	0	16	324	1249	3887	4108	-221	5136	0	5136
19	15.37.59	0	200	262	0	449	17	0	17	331	1276	3884	3985	-101	5160	0	5160
20	15.30.09	0	179	285	0	494	16	2	18	223	1217	4060	4113	-53	5277	2	5279
21	15.47.25	0	101	262	0	472	18	2	10	316	1181	4101	4122	-21	5282	0	5282
22	00.00.56	0	138	260	0	480	17	2	14	330	1241	3787	3773	14	5028	0	5028
23	18.43.57	0	73	150	0	251	19	2	11	323	829	3141	2960	181	3970	17	3987
24	19.14.50	0	74	148	0	250	16	-1	12	159	658	3249	3132	117	3907	0	3907
25	15.30.00	0	131	262	0	-5	15	0	10	167	580	3867	3891	-24	4447	10	4457
26	15.44.57	0	63	267	0	-5	15	2	4	163	509	4150	4025	125	4659	0	4659
27	15.30.20	0	110	300	0	25	12	1	12	350	810	3909	3906	3	4719	0	4719
28	15.52.32	0	80	266	0	193	13	-1	11	320	882	3960	3874	86	4842	0	4842
29	15.23.55	0	144	292	0	292	16	4	18	325	1091	3756	3810	-54	4847	0	4847
30	00.00.08	0	111	261	0	301	15	-2	10	328	1024	3480	3400	80	4504	0	4504

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING SEPTEMBER 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	Townmcd	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	15.07.19	0	31	263	0	419	16	3	14	321	1067	3711	3675	36	4778	0	4778
2	00.00.08	0	36	262	0	430	16	3	14	320	1081	3185	3279	-94	4266	0	4266
3	23.00.36	0	35	260	0	429	13	0	13	317	1067	3594	3529	65	4661	0	4661
4	15.30.00	0	33	258	0	580	18	3	3	320	1215	3921	3848	73	5136	0	5136
5	15.26.03	0	33	260	0	549	16	6	3	155	1022	4127	4042	85	5149	0	5149
6	15.39.52	0	33	261	0	647	10	2	9	316	1278	3976	4017	-41	5254	35	5289
7	15.07.24	0	110	257	0	301	10	2	11	325	1016	4026	3874	152	5042	0	5042
8	15.20.50	0	139	261	0	304	12	2	4	320	1042	4086	4123	-37	5128	5	5133
9	23.02.24	0	148	264	0	309	17	0	6	314	1058	4039	4045	-6	5097	0	5097
10	22.58.09	0	148	260	0	305	12	-1	10	321	1055	4327	4269	58	5382	0	5382
11	15.03.09	0	146	266	0	306	18	1	10	355	1102	4329	4315	14	5431	23	5454
12	22.57.09	0	148	301	0	312	17	2	14	186	980	4530	4373	157	5510	0	5510
13	22.48.01	0	149	306	0	520	16	3	4	191	1189	4427	4338	89	5616	12	5628
14	23.00.29	0	212	262	0	451	17	2	2	345	1291	4370	4353	17	5661	0	5661
15	23.27.14	0	217	273	0	451	17	-2	4	320	1280	4212	4217	-5	5492	0	5492
16	00.00.22	0	217	274	0	497	17	-1	3	320	1327	4053	3896	157	5380	0	5380
17	23.14.56	0	147	259	0	450	16	-1	12	324	1207	3709	3731	-22	4916	0	4916
18	23.00.00	0	147	297	0	449	16	0	16	324	1249	3887	4108	-221	5136	0	5136
19	15.37.59	0	200	262	0	449	17	0	17	331	1276	3884	3985	-101	5160	0	5160
20	15.30.09	0	179	285	0	494	16	2	18	223	1217	4060	4113	-53	5277	2	5279
21	15.47.25	0	101	262	0	472	18	2	10	316	1181	4101	4122	-21	5282	0	5282
22	00.00.56	0	138	260	0	480	17	2	14	330	1241	3787	3773	14	5028	0	5028
23	18.43.57	0	73	150	0	251	19	2	11	323	829	3141	2960	181	3970	17	3987
24	19.14.50	0	74	148	0	250	16	-1	12	159	658	3249	3132	117	3907	0	3907
25	15.30.00	0	131	262	0	-5	15	0	10	167	580	3867	3891	-24	4447	10	4457
26	15.44.57	0	63	267	0	-5	15	2	4	163	509	4150	4025	125	4659	0	4659
27	15.30.20	0	110	300	0	25	12	1	12	350	810	3909	3906	3	4719	0	4719
28	15.52.32	0	80	266	0	193	13	-1	11	320	882	3960	3874	86	4842	0	4842
29	15.23.55	0	144	292	0	292	16	4	18	325	1091	3756	3810	-54	4847	0	4847
30	00.00.08	0	111	261	0	301	15	-2	10	328	1024	3480	3400	80	4504	0	4504

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

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

A (i) RPH	0.000
(ii) GT+STG	81.090
(iii) PRAGATI	193.271
(iv) RITHALA	0.000
(v) BAWANA CCGT	263.870
(vi) Timarpur – Okhla	13.054
EDWPCL	1.582
DMSWL	8.517
TOTAL	561.384
B) AVAILABILITY FROM BTPS	211.646
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	21.727
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**751.303**

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	4.584	4.482	4.584	4.482
SALAL	39.247	38.381	39.247	38.381
SASAN	272.297	266.283	265.760	259.886
TANKAPUR	8.121	7.942	8.121	7.942
CHAMERA	16.034	15.680	16.034	15.680
CHAMERA -II	20.208	19.762	20.208	19.762
CHAMERA -III	13.718	13.415	13.718	13.415
DHAULIGANGA	19.825	19.386	19.825	19.386
SEWA -2	3.407	3.333	3.407	3.333
URI	17.754	17.363	17.754	17.363
URI-II	12.542	12.265	12.551	12.274
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.256	10.029	10.256	10.029
PARBATI3	9.337	9.131	9.337	9.131
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.497	0.485	0.022	0.022
ANTA (RLNG)	18.692	18.280	0.007	0.007
ANTA (LIQUID)	7.946	7.769	0.000	0.000
DADRI (GAS)	10.616	10.382	4.167	4.074
DADRI (RLNG)	20.151	19.706	0.009	0.009
DADRI (LIQUID)	24.404	23.863	0.000	0.000
AURAIYA (GAS)	0.007	0.007	0.007	0.007
AURAIYA (RLNG)	15.654	15.312	0.007	0.006
AURAIYA (LIQUID)	22.868	22.357	0.004	0.004
SINGRAULI	93.335	91.272	77.650	75.930
RIHAND -I	66.353	64.887	60.321	58.988
RIHAND -II	72.986	71.375	68.436	66.927
RIHAND -III	89.096	87.128	74.080	72.442
UNCHAHAR-I	15.743	15.395	11.106	10.860
UNCHAHAR-II	30.846	30.165	22.013	21.527
UNCHAHAR-III	19.076	18.654	13.600	13.300
UNCHAHAR-IV	0.285	0.278	0.285	0.278
DADRI (TH)	309.806	302.932	200.054	195.630
DADRI (TH) STAGE-II	357.623	349.712	319.208	312.160
NAPP	24.295	23.755	24.295	23.755
RAPP 'B'	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
RAPP 'C'	38.534	37.683	38.534	37.683
NATHPA JHAKRI	74.001	72.367	55.204	53.985
DULASTI	34.614	33.850	34.614	33.850
TEHRI	19.223	18.797	19.223	18.797
JHAJJAR	297.584	291.006	178.262	174.308
KHELGAON	31.570	30.873	21.709	21.230
KHELGAON-II	72.695	71.093	54.555	53.352
FARAKA	12.366	12.093	7.807	7.634
TALA	19.205	18.781	19.247	18.822
TALCHER	0.000	0.000	0.000	0.000
DVC	215.388	213.220	213.220	208.508
JHARKHAND	3.809	3.790	3.790	3.707
KERALA	0.246	0.244	0.244	0.238
MEGHALAYA	61.282	60.748	60.748	59.408
GOA	9.984	9.909	9.909	9.691
ANDHRA	3.921	3.892	3.892	3.808
MADHYA PRADESH	14.099	13.941	13.941	13.635
METHON POWER(NDPL)LT-06	190.976	189.530	189.530	185.337
DVC MEJIA (LT-08)(BYPL)	65.589	64.928	64.928	63.490
URS	0.455	0.446	0.455	0.446
JAMMU & KASHMIR	142.116	140.674	140.674	137.565
HIMACHAL PRADESH	155.325	152.987	152.987	149.626
ASSAM	2.297	2.277	2.277	2.226
KARNATAKA	0.698	0.692	0.692	0.677
ORISSA	0.499	0.496	0.496	0.485
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	48.344	47.851	47.851	46.793
SIKKIM	2.485	2.460	2.460	2.406
WEST BENGAL	0.087	0.086	0.086	0.084
UTTRANCHAL	0.103	0.101	0.101	0.099
TAMILNAIDU	0.263	0.261	0.261	0.255
MANIPUR	3.808	3.776	3.776	3.696
RAJASTHAN(SOLAR) BRPL-LT36	3.496	3.443	3.443	3.367
RAJASTHAN(SOLAR) BYPL - LT-35	3.245	3.196	3.196	3.125
RAJASTHAN(SOLAR) TPDDL LT-31	3.171	3.123	3.123	3.054
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-8.648	-8.738	-8.738	-8.941
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-46.114	-46.942	-46.942	-48.006
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO KERALA	-1.051	-1.070	-1.070	-1.096
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TRIPURA	-0.979	-0.983	-0.983	-1.005
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-5.213	-5.293	-5.293	-5.413
TO HARYANA	-25.038	-25.481	-25.481	-26.047
POWER EXCHANGE(IEX)	49.125	48.055	49.125	48.055
TO POWER EXCHANGE (IEX)	-143.914	-147.182	-143.914	-147.182
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)	-20.231	-20.684	-20.231	-20.684
TO SHARE PROJECT (PUNJAB)	-19.914	-20.359	-19.914	-20.359
TOTAL	**2957.108**	**2891.101**	**2443.867**	**2377.701**

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	1175.984	1149.959	850.979	832.172
NTPC - ER	116.631	114.059	84.071	82.216
NHPC	199.389	194.990	199.397	194.999
NPC	62.830	61.438	62.830	61.438
SASAN	272.297	266.283	265.760	259.886
KOTESHWAR	10.256	10.029	10.256	10.029
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	74.001	72.367	55.204	53.985
TEHRI	19.223	18.797	19.223	18.797
TALA	19.205	18.781	19.247	18.822
JHAJJAR	297.584	291.006	178.262	174.308
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.496	3.443	3.443	3.367
RAJASTHAN SOLAR(BYPL)T-35	3.245	3.196	3.196	3.125
RAJASTHAN SOLAR(TPDDL)T-31	3.171	3.123	3.123	3.054
DVC	215.388	213.220	213.220	208.508
JHARKHAND	3.809	3.790	3.790	3.707
KERALA	0.246	0.244	0.244	0.238
MEGHALAYA	61.282	60.748	60.748	59.408
GOA	9.984	9.909	9.909	9.691
ANDHRA	3.921	3.892	3.892	3.808
MADHYA PRADESH	14.099	13.941	13.941	13.635
METHON POWER (NDPL)-LT-06	190.976	189.530	189.530	185.337
DVC MEJIA (LT-08)(BYPL)	65.589	64.928	64.928	63.490
URS	0.455	0.446	0.455	0.446
JAMMU & KASHMIR	142.116	140.674	140.674	137.565
HIMACHAL PRADESH	155.325	152.987	152.987	149.626
ASSAM	2.297	2.277	2.277	2.226
KARNATAKA	0.698	0.692	0.692	0.677
ORISSA	0.499	0.496	0.496	0.485
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	48.344	47.851	47.851	46.793
SIKKIM	2.485	2.460	2.460	2.406
WEST BENGAL	0.087	0.086	0.086	0.084
UTTRANCHAL	0.103	0.101	0.101	0.099
TAMILNAIDU	0.263	0.261	0.261	0.255
MANIPUR	3.808	3.776	3.776	3.696
POWER EXCHANGE(IEX)	49.125	48.055	49.125	48.055
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3228.208**	**3167.834**	**2716.433**	**2656.434**

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILI TY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-8.648	-8.738	-8.738	-8.941
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MAHARASHTRA	0.000	0.000	0.000	0.000
TO UTTRANCHAL	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-46.114	-46.942	-46.942	-48.006
TO KERALA	-1.051	-1.070	-1.070	-1.096
TO BIHAR	0.000	0.000	0.000	0.000
TO RAJASTHAN	0.000	0.000	0.000	0.000
TO TRIPURA	-0.979	-0.983	-0.983	-1.005
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-5.213	-5.293	-5.293	-5.413
TO HARYANA	-25.038	-25.481	-25.481	-26.047
TO POWER EXCHANGE (IEX)	-143.914	-147.182	-143.914	-147.182
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-20.231	-20.684	-20.231	-20.684
TO SHARE PROJECT (PUNJAB)	-19.914	-20.359	-19.914	-20.359
TOTAL	**-271.100**	**-276.733**	**-272.566**	**-278.734**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2957.108**	**2891.101**	**2443.867**	**2377.701**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		3153.345
NET CONSUMPTION		**3131.618**
AVAILABILITY WITHIN DELHI		751.303
ACTUAL DRAWAL FROM THE GRID		2380.315
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		2.614
LOAD SHEDDING		1.923
UNRESTRICTED DEMAND (GROSS)		3155.268
UNRESTRICTED DEMAND (NET)		3133.541
MAX. NET CONSUMPTION		117.951 ON 13.09.2017
MAX. LOAD SHEDDING		318MW ON 10.09.2017 AT 12.46HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	5520MW AT 15.30HRS ON 14.09.2017	0 MW
EVENING PEAK	5661MW AT 23.00.29HRS ON 14.09.2017	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	41.71%
	PRAGATI	81.34%
	RITHALA	0.00%
	BAWANA	26.73%
	Timarpur Okhla	113.32%
	EDWPCL	18.31%
	DMSWL	49.29%

9 SHEDDING DETAILS DURING THE MONTH OF SEPTEMBER 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.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
02.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
03.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
04.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
05.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
06.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.010	0.000	0.000
07.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
08.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
09.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
10.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
11.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
12.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
13.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.010	0.013	0.000	0.000	0.000
14.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.004	0.339	0.000	0.000	0.000
15.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
16.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
17.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
18.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.038	0.000	0.000	0.000
19.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
20.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
21.Sep.17	1	0.000	0.019	0.000	0.000	**0.019**	0.000	0.000	0.000	0.000	0.000
22.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
23.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.004	0.000	0.000
24.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
25.Sep.17	0	0.000	0.000	0.0001	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
26.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
27.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
28.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
29.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
30.Sep.17	0	0.000	0.000	0.000	0.000	**0.000**	0.000	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.000**	**0.019**	**0.000**	**0.000**	**0.019**	**0.014**	**0.390**	**0.014**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Sep.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.Sep.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.Sep.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.Sep.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.Sep.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.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.010**
07.Sep.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.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
09.Sep.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.Sep.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.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
12.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
13.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	**0.023**
14.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.343	**0.343**
15.Sep.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.Sep.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.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
18.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	**0.038**
19.Sep.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.Sep.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.Sep.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	**0.019**
22.Sep.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.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	**0.004**
24.Sep.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.Sep.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.Sep.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.Sep.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.Sep.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**
29.Sep.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.Sep.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**	0.418	**0.437**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	MES	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	30	31	32	33	34
01.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000
02.Sep.17	0.000	0.000	0.000	0.000	0.000	0.004	0.020	0.000	0.000
03.Sep.17	0.005	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
04.Sep.17	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.000
05.Sep.17	0.031	0.000	0.000	0.000	0.000	0.009	0.109	0.000	0.000
06.Sep.17	0.000	0.025	0.002	0.000	0.000	0.000	0.070	0.000	0.000
07.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Sep.17	0.020	0.004	0.004	0.000	0.000	0.000	0.068	0.000	0.000
09.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
10.Sep.17	0.004	0.283	0.008	0.000	0.000	0.003	0.071	0.015	0.000
11.Sep.17	0.004	0.042	0.029	0.000	0.000	0.000	0.019	0.000	0.000
12.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.001	0.000
13.Sep.17	0.000	0.000	0.000	0.000	0.000	0.004	0.026	0.000	0.000
14.Sep.17	0.000	0.002	0.000	0.000	0.000	0.000	0.034	0.001	0.000
15.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
16.Sep.17	0.000	0.000	0.000	0.000	0.000	0.014	0.002	0.000	0.000
17.Sep.17	0.000	0.000	0.001	0.000	0.000	0.000	0.059	0.000	0.000
18.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
19.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
21.Sep.17	0.000	0.055	0.000	0.000	0.000	0.000	0.014	0.018	0.000
22.Sep.17	0.000	0.004	0.002	0.000	0.000	0.000	0.007	0.000	0.000
23.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.002	0.000
24.Sep.17	0.000	0.000	0.000	0.000	0.000	0.016	0.004	0.000	0.000
25.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
26.Sep.17	0.000	0.008	0.010	0.000	0.000	0.000	0.007	0.028	0.000
27.Sep.17	0.000	0.038	0.000	0.000	0.000	0.000	0.052	0.000	0.000
28.Sep.17	0.000	0.007	0.000	0.000	0.000	0.000	0.003	0.000	0.000
29.Sep.17	0.000	0.011	0.000	0.000	0.000	0.000	0.023	0.000	0.000
30.Sep.17	0.000	0.006	0.002	0.000	0.000	0.000	0.002	0.006	0.000
TOTAL	**0.064**	**0.485**	**0.079**	**0.000**	**0.000**	**0.050**	**0.737**	**0.071**	**0.000**

ALL FIGURES IN MUs

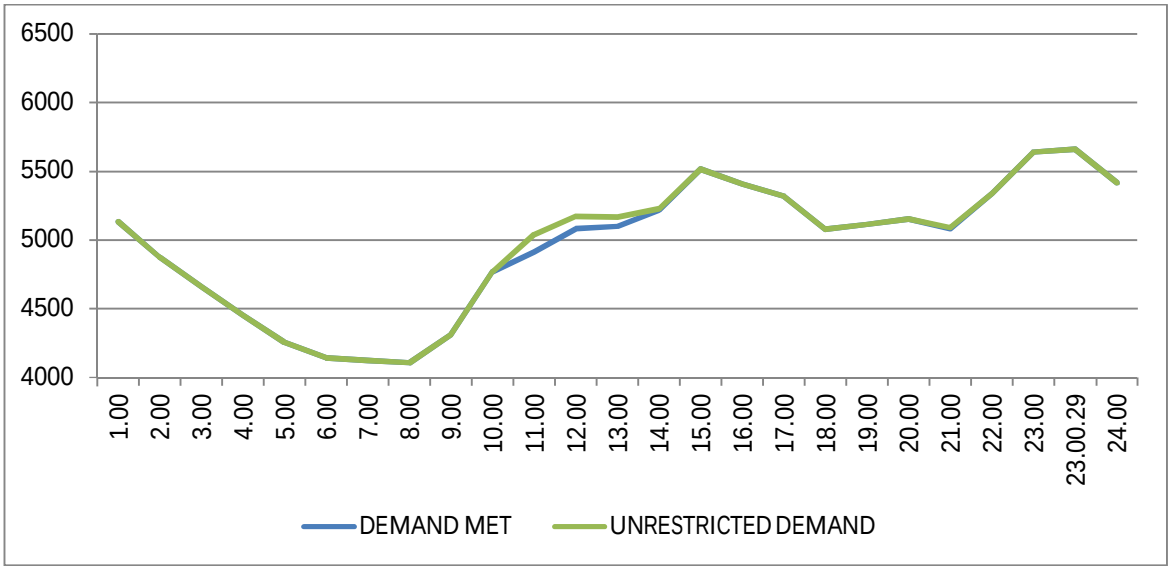
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
02.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
03.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
04.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
05.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.149**	**0.149**
06.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.097**	**0.107**
07.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
08.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.096**	**0.096**
09.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
10.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.384**	**0.384**
11.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.094**	**0.094**
12.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
13.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.030**	**0.053**
14.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.037**	**0.380**
15.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
16.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
17.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.060**	**0.060**
18.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.041**
19.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
20.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.026**	**0.026**
21.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.087**	**0.106**
22.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
23.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.059**	**0.063**
24.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
25.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
26.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.053**	**0.053**
27.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.090**	**0.090**
28.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
29.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.034**	**0.034**
30.Sep.17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.486**	**1.923**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Sep.17	**101.723**	**4778**	15:07:19	0	**4778**	**4778**	15:07:19	**4778**	0
02.Sep.17	**91.545**	**4266**	00:00:08	0	**4266**	**4266**	00:00:08	**4266**	0
03.Sep.17	**91.202**	**4661**	23:00:36	0	**4661**	**4661**	23:00:36	**4661**	0
04.Sep.17	**105.181**	**5136**	15:30	0	**5136**	**5136**	15:30	**5136**	0
05.Sep.17	**112.566**	**5149**	15:26:03	0	**5149**	**5149**	15:26:03	**5149**	0
06.Sep.17	**109.982**	**5254**	15:39:52	35	**5289**	**5289**	15:39:52	**5254**	35
07.Sep.17	**104.026**	**5042**	15:07:24	0	**5042**	**5042**	15:07:24	**5042**	0
08.Sep.17	**105.937**	**5128**	15:20:50	5	**5133**	**5133**	15:20:50	**5128**	5
09.Sep.17	**108.108**	**5097**	23:02:24	0	**5097**	**5097**	23:02:24	**5097**	0
10.Sep.17	**106.741**	**5382**	22:58:09	0	**5382**	**5382**	22:58:09	**5382**	0
11.Sep.17	**115.304**	**5431**	15:03:09	23	**5454**	**5454**	15:03:09	**5431**	23
12.Sep.17	**114.814**	**5510**	22:57:09	0	**5510**	**5510**	22:57:09	**5510**	0
13.Sep.17	**117.954**	**5616**	22:48:01	12	**5628**	**5628**	22:48:01	**5616**	12
14.Sep.17	**117.667**	**5661**	23:00:29	0	**5661**	**5661**	23:00:29	**5661**	0
15.Sep.17	**116.216**	**5492**	23:27:14	0	**5492**	**5492**	23:27:14	**5492**	0
16.Sep.17	**109.081**	**5380**	00:00:22	0	**5380**	**5380**	00:00:22	**5380**	0
17.Sep.17	**100.790**	**4916**	23:14:56	0	**4916**	**4916**	23:14:56	**4916**	0
18.Sep.17	**108.924**	**5136**	23:00	0	**5136**	**5136**	23:00	**5136**	0
19.Sep.17	**112.134**	**5160**	15:37:59	0	**5160**	**5160**	15:37:59	**5160**	0
20.Sep.17	**112.813**	**5277**	15:30:09	2	**5279**	**5279**	15:30:09	**5277**	2
21.Sep.17	**113.541**	**5282**	15:47:25	0	**5282**	**5373**	15:47:25	**5262**	111
22.Sep.17	**100.733**	**5028**	00:00:56	0	**5028**	**5028**	00:00:56	**5028**	0
23.Sep.17	**84.835**	**3970**	18:43:57	17	**3987**	**3987**	18:43:57	**3970**	17
24.Sep.17	**79.066**	**3907**	19:14:50	0	**3907**	**3907**	19:14:50	**3907**	0
25.Sep.17	**91.558**	**4447**	15:30	10	**4457**	**4457**	15:30	**4447**	10
26.Sep.17	**99.175**	**4659**	15:44:57	0	**4659**	**4659**	15:44:57	**4659**	0
27.Sep.17	**100.582**	**4719**	15:30:20	0	**4719**	**4719**	15:30:20	**4719**	0
28.Sep.17	**104.249**	**4842**	15:52:32	0	**4842**	**4842**	15:52:32	**4842**	0
29.Sep.17	**103.530**	**4847**	15:23:55	0	**4847**	**4847**	15:23:55	**4847**	0
30.Sep.17	**91.641**	**4504**	00:00:08	0	**4504**	**4504**	00:00:08	**4504**	0
TOTAL	**3131.618**	**5661** **14.09.17**	23:00:29	0	**5661** **14.09.17**	**5661**	23:00:29	**5661**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING SEPTEMBER 2017 ON 14.09.2017- 5661MW AT 23.00.29HRS.

All figures in MW

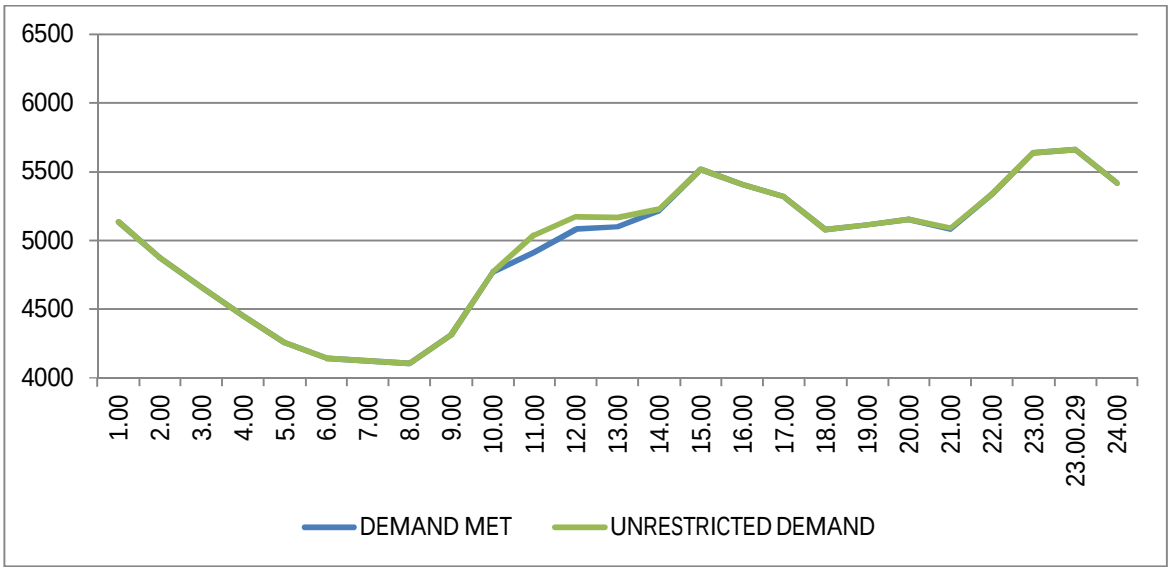
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5133	2	5135
2.00	4875	0	4875
3.00	4661	0	4661
4.00	4455	0	4455
5.00	4257	0	4257
6.00	4143	0	4143
7.00	4124	3	4127
8.00	4108	1	4109
9.00	4312	0	4312
10.00	4771	0	4771
11.00	4915	125	5040
12.00	5080	92	5172
13.00	5098	71	5169
14.00	5216	12	5228
15.00	5516	2	5518
16.00	5406	0	5406
17.00	5316	2	5318
18.00	5078	0	5078
19.00	5111	2	5113
20.00	5152	2	5154
21.00	5080	11	5091
22.00	5341	0	5341
23.00	5637	0	5637
23.00.29	5661	0	5661
24.00	5418	0	5418
Total (IN MUS)	**117.667**	**0.380**	**118.047**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING SEPTEMBER 2017 ON 14.09.2017-5661MW AT 23.00.29HRS.

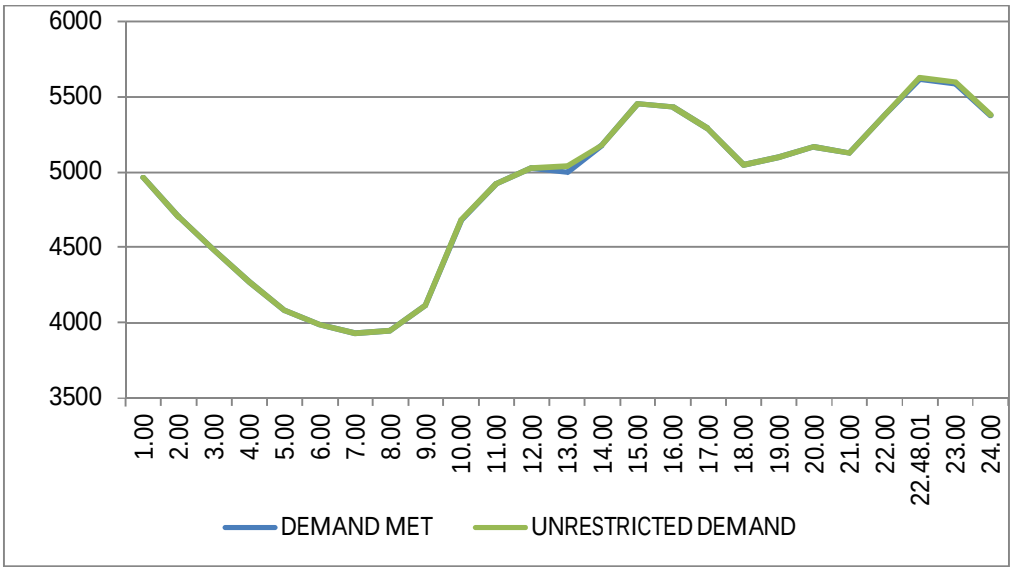
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5133	2	5135
2.00	4875	0	4875
3.00	4661	0	4661
4.00	4455	0	4455
5.00	4257	0	4257
6.00	4143	0	4143
7.00	4124	3	4127
8.00	4108	1	4109
9.00	4312	0	4312
10.00	4771	0	4771
11.00	4915	125	5040
12.00	5080	92	5172
13.00	5098	71	5169
14.00	5216	12	5228
15.00	5516	2	5518
16.00	5406	0	5406
17.00	5316	2	5318
18.00	5078	0	5078
19.00	5111	2	5113
20.00	5152	2	5154
21.00	5080	11	5091
22.00	5341	0	5341
23.00	5637	0	5637
23.00.29	5661	0	5661
24.00	5418	0	5418
Total (IN MUS)	**117.667**	**0.380**	**118.047**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING SEPTEMBER 2017 – 13.09.2017 – 117.954Mus All figures in MW

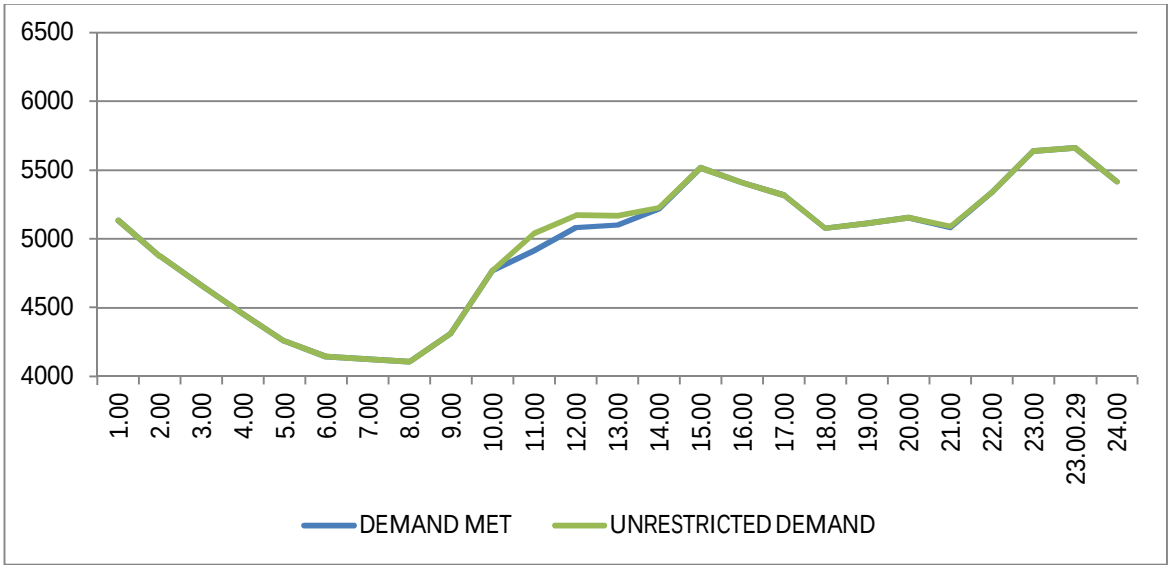
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	4965	0	4965
2.00	4702	0	4702
3.00	4484	0	4484
4.00	4271	0	4271
5.00	4079	0	4079
6.00	3988	0	3988
7.00	3931	0	3931
8.00	3948	0	3948
9.00	4116	0	4116
10.00	4680	2	4682
11.00	4922	2	4924
12.00	5026	3	5029
13.00	4998	40	5038
14.00	5180	0	5180
15.00	5455	0	5455
16.00	5433	0	5433
17.00	5286	0	5286
18.00	5047	1	5048
19.00	5099	0	5099
20.00	5167	0	5167
21.00	5125	0	5125
22.00	5383	0	5383
22.48.01	5616	12	5628
23.00	5586	12	5598
24.00	5375	3	5378
Total (IN MUS)	**117.954**	**0.053**	**118.007**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING SEPTEMBER 2017 – 14.09.2017 – 118.047Mus

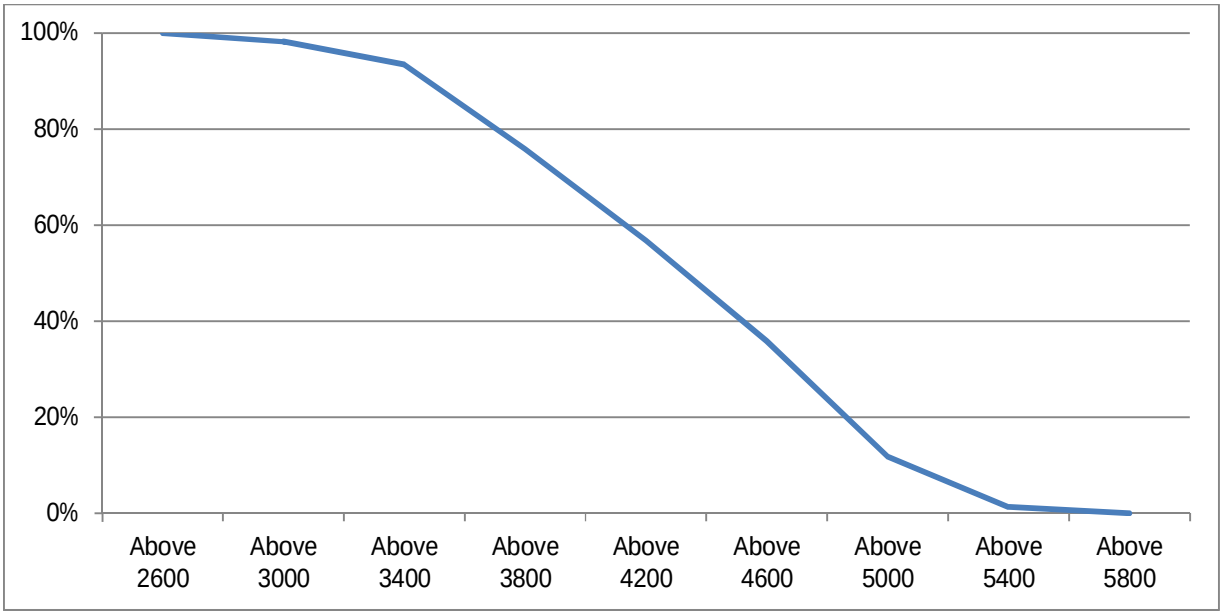
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5133	2	5135
2.00	4875	0	4875
3.00	4661	0	4661
4.00	4455	0	4455
5.00	4257	0	4257
6.00	4143	0	4143
7.00	4124	3	4127
8.00	4108	1	4109
9.00	4312	0	4312
10.00	4771	0	4771
11.00	4915	125	5040
12.00	5080	92	5172
13.00	5098	71	5169
14.00	5216	12	5228
15.00	5516	2	5518
16.00	5406	0	5406
17.00	5316	2	5318
18.00	5078	0	5078
19.00	5111	2	5113
20.00	5152	2	5154
21.00	5080	11	5091
22.00	5341	0	5341
23.00	5637	0	5637
23.00.29	5661	0	5661
24.00	5418	0	5418
Total (IN MUS)	**117.667**	**0.380**	**118.047**



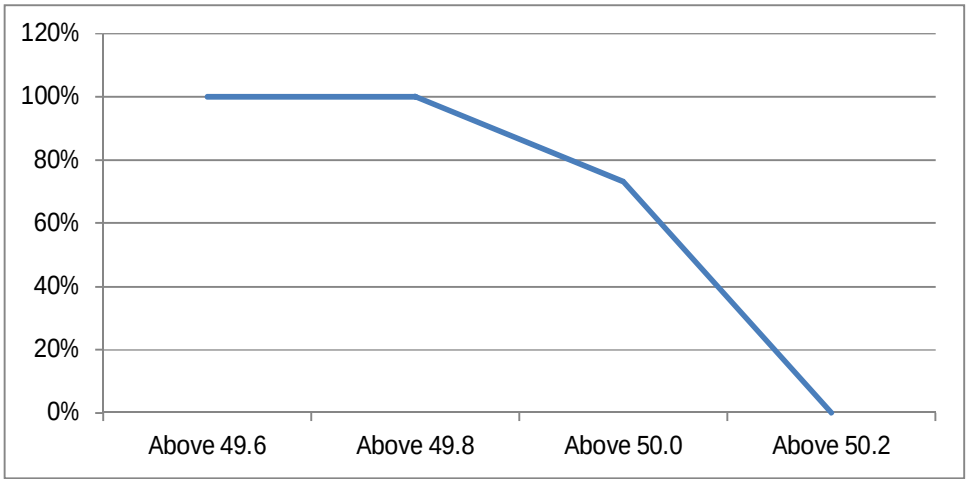
LOAD DURATION CURVE FOR SEPTEMBER 2017

Load in MW	Percentage of Time
Above 2600	100%
Above 3000	98.23%
Above 3400	93.44%
Above 3800	75.83%
Above 4200	56.77%
Above 4600	35.80%
Above 5000	11.77%
Above 5400	1.35%
Above 5800	0.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF SEPTEMBER 2017

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	99.97%
Above 50.0	73.26%
Above 50.2	0.03%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Sep.17	232.40	221.44	237.04	224.79
02.Sep.17	233.69	220.15	238.97	227.37
03.Sep.17	232.01	220.27	239.23	226.34
04.Sep.17	230.21	217.18	236.01	222.21
05.Sep.17	229.43	217.05	235.75	222.82
06.Sep.17	228.01	218.60	234.59	221.69
07.Sep.17	229.82	216.66	236.27	222.85
08.Sep.17	230.59	217.82	235.75	217.82
09.Sep.17	227.50	217.70	232.66	219.63
10.Sep.17	228.79	217.18	233.30	220.40
11.Sep.17	227.63	215.12	231.88	218.98
12.Sep.17	227.63	215.12	233.95	218.34
13.Sep.17	228.79	217.18	231.75	217.70
14.Sep.17	227.50	219.11	230.46	220.18
15.Sep.17	227.50	217.31	230.59	217.57
16.Sep.17	229.82	220.15	232.01	222.08
17.Sep.17	229.95	220.79	232.78	224.79
18.Sep.17	228.79	217.57	232.66	217.05
19.Sep.17	228.53	217.05	231.88	217.57
20.Sep.17	227.63	217.95	232.01	217.95
21.Sep.17	226.59	218.34	229.95	218.98
22.Sep.17	230.72	222.08	234.59	--
23.Sep.17	236.27	223.50	240.52	225.56
24.Sep.17	234.59	223.50	236.46	225.43
25.Sep.17	233.43	221.50	237.17	221.82
26.Sep.17	233.17	220.27	237.56	219.69
27.Sep.17	231.24	220.92	235.88	220.15
28.Sep.17	230.46	218.86	234.46	221.18
29.Sep.17	228.14	218.21	235.62	222.34
30.Sep.17	230.46	--	235.62	226.34

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Sep.17	416.92	04.01	396.99	19.38	407.42
02.Sep.17	416.92	07.57	395.11	19.15	407.13
03.Sep.17	416.92	09.00	397.45	20.18	408.94
04.Sep.17	415.04	06.04	390.42	19.09	402.85
05.Sep.17	415.51	06.02	385.50	19.22	400.15
06.Sep.17	412.23	06.03	391.59	11.45	400.09
07.Sep.17	416.92	06.02	392.76	14.41	402.82
08.Sep.17	415.51	06.03	388.08	14.43	400.67
09.Sep.17	408.48	07.01	390.42	19.09	398.47
10.Sep.17	407.30	06.01	391.36	23.24	399.83
11.Sep.17	406.60	06.02	386.90	14.40	396.24
12.Sep.17	408.94	07.27	388.08	14.25	397.01
13.Sep.17	405.43	07.01	387.37	23.07	396.54
14.Sep.17	40613	04.01	390.89	10.17	397.60
15.Sep.17	406.83	18.07	389.72	14.29	398.33
16.Sep.17	407.30	06.44	393.23	12.37	398.97
17.Sep.17	410.12	07.06	395.81	00.12	402.59
18.Sep.17	409.88	07.03	381.74	14.43	396.03
19.Sep.17	410.12	06.52	385.50	22.23	396.47
20.Sep.17	408.94	07.03	392.92	14.56	395.60
21.Sep.17	406.37	07.00	380.34	11.24	393.33
22.Sep.17	408.94	07.59	392.06	00.03	402.49
23.Sep.17	412.70	04.00	395.11	19.13	404.96
24.Sep.17	412.23	03.59	393.23	19.06	405.06
25.Sep.17	412.46	04.01	394.41	18.47	402.23
26.Sep.17	412.70	06.01	393.47	14.40	401.56
27.Sep.17	409.65	04.02	394.41	12.40	401.38
28.Sep.17	408.71	07.59	394.41	11.22	401.42
29.Sep.17	410.12	04.01	395.81	11.15	403.09
30.Sep.17	413.17	08.00	396.05	11.28	403.25

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Sep.17	418.09	08.00	402.14	19.36	409.82
02.Sep.17	419.26	06.01	399.33	19.24	409.68
03.Sep.17	418.32	09.01	398.63	20.16	10.000
04.Sep.17	414.34	06.01	396.05	19.08	406.01
05.Sep.17	413.87	06.02	392.30	19.25	403.64
06.Sep.17	411.06	06.02	395.58	19.17	402.82
07.Sep.17	414.81	06.03	394.64	19.15	403.41
08.Sep.17	414.57	06.03	393.23	19.10	402.83
09.Sep.17	409.65	06.02	393.23	19.13	400.41
10.Sep.17	410.12	06.02	394.41	22.10	401.64
11.Sep.17	409.18	07.06	391.12	14.45	399.69
12.Sep.17	412.23	07.01	369.72	14.24	399.12
13.Sep.17	406.60	06.03	369.01	14.17	397.56
14.Sep.17	405.66	04.01	--	10.06	--
15.Sep.17	407.77	05.22	389.01	14.55	399.46
16.Sep.17	408.71	06.36	394.64	12.41	400.83
17.Sep.17	410.35	06.03	395.81	19.16	403.30
18.Sep.17	408.71	06.54	390.42	14.20	399.52
19.Sep.17	407.77	06.58	393.94	10.42	398.35
20.Sep.17	400.74	18.00	392.06	19.17	395.11
21.Sep.17	404.49	07.01	391.36	11.24	398.22
22.Sep.17	413.17	23.59	397.92	00.00	406.29
23.Sep.17	421.84	03.44	401.68	19.16	413.00
24.Sep.17	418.32	03.59	400.27	19.05	411.09
25.Sep.17	416.68	03.59	396.28	18.50	406.22
26.Sep.17	416.92	06.01	394.88	14.50	404.45
27.Sep.17	412.46	06.15	396.99	12.09	404.73
28.Sep.17	412.70	07.53	398.16	14.36	404.65
29.Sep.17	412.23	04.01	398.16	11.13	405.75
30.Sep.17	414.81	08.01	400.74	12.39	407.74

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**
18	D.D.U.Marg			21.60	**21.60**
		0.00	**50.16**	**106.68**	**156.84**
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		0.00	5.45	**5.45**
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	**20.00**	**113.33**	**153.33**
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			17.68	**17.68**
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			14.54	**14.54**
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**	**180.31**	**332.45**
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			18.05	**18.05**
		103.58	**51.09**	**194.43**	**349.10**
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	0.00	22.56	15.94	**38.50**
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**
		20.16	**47.04**	**150.64**	**217.84**
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	0.00		10.90	**10.90**
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**
8	New Kondli			21.60	**21.60**
		80.32	**0.00**	**100.21**	**180.53**
14	**Patparganj S/stn**	40.00	20.00	5.04	**65.04**
1	GH-I	19.89		21.25	**41.14**
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**	**157.11**	**319.87**
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			26.23	**26.23**
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**	**196.07**	**350.57**

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)			16.20	**16.20**
6	G-5 PPK (Matiala)			22.71	**22.71**
7	G-6 PPK			12.60	**12.60**
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**	**148.80**	**253.54**
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**
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			13.15	**13.15**
10	Tiggipur			10.88	**10.88**
11	Model Town			14.40	**14.40**
12	Azad Pur			5.44	**5.44**
13	Dheerpur			14.40	**14.40**
		0.00	**40.00**	**111.88**	**151.88**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
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**
4	66kV G-4			21.60	**21.60**
		0.00	**0.00**	**54.00**	**54.00**
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**
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	0.00			**0.00**
2	DSIDC NRL-2			16.32	**16.32**
3	Bawana Clear Water			7.30	**7.30**
4	Bawana-1			0.00	**0.00**
		0.00	**0.00**	**23.62**	**23.62**
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**
5	66kV Vasant Kunj Inst. Area			21.60	**21.60**
		0.00	**0.00**	**57.60**	**57.60**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	**TOTAL**
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	**905.23**	**102.00**	**1007.23**
BRPL	**1308.19**	**242.00**	**1550.19**
TPDDL*	**823.70**	**119.00**	**942.70**
NDMC	**259.86**	**24.00**	**283.86**
DTL	**753.52**	**0.00**	**753.52**
IPGCL (RPH)	**20.00**	**0.00**	**20.00**
MES	**20.10**	**0.00**	**20.10**
TOTAL	**4090.60**	**487.00**	**4577.60**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF SEPTEMBER 2017

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.9.17	06:15	SARITA VIHAR 220/66kV 100MVA Tx-III	1.9.17	10:40	TRIPPED WITHOUT INDICATION.
2	1.9.17	15:37	220KV GAZIPUR - MAHARANIBAGH CKT. -I	1.9.17	17:07	AT GAZIPUR DIST PROT, ZONE-I. AT MAHARANI BAGH : DIST PROT, R PHSE,
3	1.9.17	16:19	220kV MAHARANI BAGH - PRAGATI CKT	1.9.17	16:38	AT PRAGATI : DIST PROT, ZONE-I, CVT AVAILABLE.
4	1.9.17	17:02	PARKSTREET 33kV 10MVAR CAP. BANK-II	1.9.17	18:35	TRIPPED DUE TO BIRDAGE.
5	2.9.17	19:02	220kV WAZIRABAD - KASHMEREGATE CKT-II	2.9.17	22:04	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 1.738KM.
6	3.9.17	09:35	400kV Dadri - Harsh Vihar Ckt. -II	3.9.17	09:58	AT HARSH VIHAR : DIST PROT, ZONE-I, B PHASE.
7	3.9.17	09:47	PATPARGANJ 220/33kV 100MVA Tx-IV	3.9.17	13:35	I/C TRIPPED ON E/F.
8	3.9.17	09:47	PATPARGANJ 220/33kV 100MVA Tx-III	3.9.17	09:57	I/C TRIPPED ON O/C.
9	4.9.17	10:42	BAWANA 400/220kV 315MVA ICT-I	4.9.17	11:47	TRIPPED ON 186.
10	4.9.17	18:24	220kV GOPALPUR- MANDOLACKT-I	4.9.17	20:03	AT GOPALPUR : DIST PROT, ZONE-I, DIST 5.67KM AT MANDOLA : DIST PROT, DIST 18.7KM.
11	5.9.17	18:28	220kV GEETA COLONY- PATPARGANJ CKT-I	5.9.17	18:31	AT PATPARGANJ : DIST PROT, ZONE-I, DIST 3.793KM.
12	6.9.17	11:25	220kV DIAL- MEHRAULI CKT-II	6.9.17	13:44	AT MEHRAULI : DIST PROT, ZONE-I, DIST 1.648. AT DIAL INTER TRIP. DIFFERENTIAL TRIP.
13	6.9.17	12:09	220kV MEHRAULI - BTPS CKT. - II	6.9.17	13:52	AT MEHRAULI : DIST PROT, TRIP PHASE ABC, 186. AT BTPS : DIST PROT, ZONE-I, DIST 14.8KM. 66KV MALVIYA NAGAR CKT. I&II, CDOT CKT. I&II TRIPPED ON SPS OPERAITON.
14	6.9.17	14:30	220KV BAWANA-SHALIMARBAGH CKT-I	6.9.17	15:48	AT SHALIMARBAGH : DIFFERENTIAL TRIP, 186, AT BAWANA A&C PHASE, DIST PROT, DIST 1.20KM, ZONE-I.
15	8.9.17	11:34	220kV BAWANA-DSIIDC BAWANA CKT-I	8.9.17	14:04	AT DSIDC BAWANA : 86, PHASE ABC, DIFFERENTIAL TRIP, RY PHASE. AT BAWANA : LBB C PHASE.
16	8.9.17	12:10	220KV BAWANA-SHALIMARBAGH CKT-I	8.9.17	17:24	AT BAWANA : DIST PROT, ZONE-II & III, DIST 13.52KM, DIFFERENTIAL TRIP. AT SHALIMARBAGH : DIFFERENTIAL TRIP, R PHASE.
17	8.9.17	12:26	220kV MAHARANI BAGH - PRAGATI CKT	8.9.17	14:50	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 3.0KM. AT PRAGATI : DIST PROT, ZONE-I, DIST 1.129KM.
18	9.9.17	12:58	220kV PRAGATI - SARITA VIHAR CKT - I	9.9.17	13:39	AT PRAGATI : O/C, E/F, DIST PROT, DIST 1.887KM. AT SARITA VIHAR DIST PROT, DIST 17.78KM, 86.
19	10.9.17	11:50	220kV NARELA - MANDOLA CKT-I	10.9.17	12:14	AT NARELA : DIFFERENTIAL PROT, R PHASE. AT MANDOLA : CKT. DID NOT TRIP.
20	10.9.17	12:43	220kV MEHRAULI - BTPS CKT. - I	10.9.17	14:27	AT BTPS : DIST PROT, ZONE-I, DIST 23.KM, B PHASE. AT MEHRAULI : DIST PROT, ZONE-II, DIST 18.2.KM, AB&C PHASE.
21	10.9.17	12:45	220kV MEHRAULI - BTPS CKT. - II	10.9.17	19:50	AT BTPS : DIST PROT, ZONE-I, DIST 4.2.KM, R PHASE. AT MEHRAULI : MANUALLY MADE OFF .
22	10.9.17	12:46	220kV BAMNAULI-NARAINA CKT-II	10.9.17	16:07	AT BAMNAULI : : BUS BAR PROTECTION OPERATED. AT NARAINA : SUPPLY FAILED.
23	10.9.17	12:46	220kV BAMNAULI - DIAL CKT-I	10.9.17	13:12	AT BAMNAULI : BUS BAR PROTECTION OPERATED. AT DIAL : SUPPLY FAILED.
24	10.9.17	12:46	220kV BAMNAULI-NARAINA CKT-I	10.9.17	16:07	AT BAMNAULI : : BUS BAR PROTECTION OPERATED. AT NARAINA : SUPPLY FAILED.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
25	10.9.17	12:46	BAMNAULI 400/220kV 500MVA ICT-II	10.9.17	14:31	ICT TRIPPED ON GROUP I&II, 86A, 220KV I/C –II TRIPPED ON 86
26	10.9.17	13:18	MEHRAULI 220/66kV 160MVA Tx-I	10.9.17	14:50	TRIPPED ON DIFFERENTIAL
27	10.9.17	13:18	220kV BAMNAULI - DIAL CKT-I	10.9.17	13:40	AT BAMNAULI : BUS SECTION –II TRIPPED. AT DIAL : SUPPLY FAILED.
28	11.9.17	05:40	NARAINA 220/33kV 100MVA Tx-II	11.9.17	12:30	33kV I/C tripped on O/C, E/F.
29	11.9.17	05:40	NARAINA 220/33kV 100MVA Tx-III	11.9.17	05:50	Tr. tripped on O/C, E/F. 33kV I/C Tripped on O/C, E/F.
30	11.9.17	11:42	220kV OKHLA - BTPS CKT. - II	11.9.17	12:00	AT BTPS : DIST PROT, ZONE-II, DIST 8KM. AT OKHLA : CKT. DID NOT TRIP.
31	11.9.17	14:45	220kV DIAL- MEHRAULI CKT-II	11.9.17	16:32	AT DIAL : DST PROT, DIST 11.2KM, GEN. TRIP. AT MEHARULI : 186A&B, DIST PROT, ZONE-I, DIST 1.1KM.
32	11.9.17	19:48	220kV NARAINA-RIDGE VALLEY CKT-I	11.9.17	19:56	AT NARAINA : DIRECTIONAL EARTH FAULT, 186, 186X, AUTO RECLOSE.
33	13.9.17	08:26	220kV MEHRAULI - VASANT KUNJ CKT.- II	13.9.17	10:17	AT MEHRAULI : DIST PROT, ZONE-I, DIST 3.652KM, 186A&B. AT VASANT KUNJ : CKT. DID NOT TRIP.
34	13.9.17	13:14	220kV DIAL- MEHRAULI CKT-II	13.9.17	14:20	AT DIAL : GEN TRIP, LINE DIFFERENTIAL, DIST PROT, DIST 11.2KM. AT MEHRAULI : DIST PORT, ONE-I, DIST 1.321KM.
35	17.9.17	12:17	220KV GAZIPUR - MAHARANIBAGH CKT. -II	17.9.17	14:50	AT GAZIPUR DIST PROT, ZONE-I, DIFFERENTIAL. AT MAHARANI BAGH : 86A.
36	18.9.17	09:40	220kV MUNDKA-NAJAFGARH CKT	18.9.17	13:44	AT MUNDKA : GROUP A&B. AT NAJAFGARH : DIST PROT, DIST 6.4KM.
37	19.9.17	06:10	SUBZI MANDI 33/11kV, 16MVA Tx-I	19.9.17	06:20	TR. TRIPPED ON DIFFERENTIAL, 86.
38	19.9.17	09:12	220kV GAZIPUR - BTPS CKT	19.9.17	20:55	AT BTPS : E/F, R PHASE, DIST PROT, ZONE-I, DIST 10.44KM.
39	20.9.17	09:30	220kV MEHRAULI - VASANT KUNJ CKT.-I	20.9.17	11:22	AT MEHRAULI : DIST PROT, DIST 16.11KM, RB PHASE. AT VASANT KUNJ : CKT. DID NOT TRIP.
40	20.9.17	10:52	220kV GAZIPUR - BTPS CKT	20.9.17	14:05	AT BTPS : DIST PROT, ZONE-I, DIT 16.4KM.
41	20.9.17	14:10	220kV MEHRAULI - VASANT KUNJ CKT.-I	20.9.17	16:12	AT MEHRAULI : DIST PROT, ZONE-I, DIST 10.62KM. AT VASANT KUNJ : CKT. DID NOT TRIP.
42	20.9.17	15:37	220kV BAWANA - KANJHAWALA CKT - 1	20.9.17	17:27	AT KHANJAWALA : DIST PROT, ZONE-I, DIST 20.32KM. AT BAWANA : DIST PROT, ZONE-I, DIST 8.06KM.
43	21.9.17	19:55	220kV MUNDKA-NAJAFGARH CKT	21.9.17	21:00	AT MUNDKA : TRIPPED O DIST PROT, ZONE-I, DIST 3.33KM.
44	22.9.17	09:08	HARSH VIHAR 220/66KV 160MVA ICT-2	22.9.17	13:40	TRIPPED ON O/C, RYB PHASE.
45	22.9.17	10:18	220kV PRAGATI - SARITA VIHAR CKT - I	22.9.17	18:36	AT SARITA VIHAR : DIST PROT, ZONE-II & III, DIST 10.72KM.
46	22.9.17	10:46	GOPALPUR 220/33kV 100MVA Tx-I	22.9.17	11:10	I/C -I TRIPPED ON E/F
47	22.9.17	16:48	OKHLA 220/66kV 100MVA Tx-II	22.9.17	17:07	66KV I/C-II TRIPPED WITHOUT INDICATION, TR. TRIPPED ON DIFFERENTIAL, RYB PHASE, REF LV SIDE, 86 & 186.
48	23.9.17	06:15	220kV BAMNAULI-PAPPANKALAN-I CKT-I	23.9.17	10:51	AT BAMNAULI : TRIPPED ON DIST PROT ZONE-I, DIST 1.584KM. AT PAPANKALAN-I : TRIPPED ON DIST PROT, B PHASE, DIFFERENTIAL TRIP.
49	23.9.17	06:35	PEERA GARHI 220/33kV 100MVA Tx-II	23.9.17	10:42	TR. TRIPPED ON 86A&B, PRV.
50	23.9.17	19:00	220 KV I.P.- RPH CKT-I	24.9.17	17:40	AT RAJGHAT : TRIPPED ON 186A&B, 195ABC. AT IP CKT. DID NOT TRIPPED.
51	24.9.17	12:10	220kV MAHARANI BAGH - SARITA VIHAR CKT	24.9.17	21:04	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 4.0KM. AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 7.243KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
52	24.9.17	17:10	220kV MAHARANI BAGH - SARITA VIHAR CKT	24.9.17	21:04	AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 4.0KM AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 7.243KM.
53	26.9.17	13:12	SHALIMAR BAGH 220/33kV 100MVA Tx-III	26.9.17	17:24	TR. TRIPPED ON DIFFERENTIAL.
54	27.9.17	11:12	220kV BAMNAULI-PAPPANKALAN-I CKT-I	27.9.17	13:03	AT PAPANKALAN-I : DIST PROT, DIFFERENTIAL, 86. AT BAMNAULI : DIST PROT, DIST 10.53KM, 186A&B.
55	27.9.17	14:48	220kV BAMNAULI-PAPPANKALAN-II CKT-I	27.9.17	15:25	AT BAMNAULI : DIST PROT, ZONE-I, DIST 4.828KM, 186. AT PAPANKALAN-II : CKT. DID NOT TRIP.
56	28.9.17	07:05	MEHRAULI 66/11kV, 20MVA Tx-I	28.9.17	13:56	TR. TRIPPED ON 86, O/C.
57	28.9.17	12:45	220kV MEHRAULI - BTPS CKT. - I	28.9.17	15:30	AT MEHRAULI : DIST PROT, ZONE-I, DIST 12.03KM. AT BTPS : DIST PROT, ZONE-I, DIST 10.4KM, E/F.
58	28.9.17	17:06	220kV MEHRAULI - VASANT KUNJ CKT.- II	28.9.17	18:44	AT MEHRAULI : DIST PROT, ZONE-I, DIST 3.875KM. AT VASANT KUNJ : CKT. DID NOT TRIP.
59	29.9.17	07:28	PAPPANKALAN-I 220/66kV 100MVA Tx-IV	29.9.17	09:47	E/F, 86.
60	29.9.17	12:12	220kV BAMNAULI - DIAL CKT-II	29.9.17	13:02	AT BAMNAULI : 186A&B, B PHASE, DIFFERENTIAL AT DIAL : DIFFERENTIAL TRIP.
61	29.9.17	15:40	220kV PRAGATI - SARITA VIHAR CKT - I	29.9.17	17:33	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 2.55KM AT PRAGATI : DIST PROT, ZONE-II, III, DIST 12.65KM.
62	30.9.17	12:05	220kV BAMNAULI - DIAL CKT-I	30.9.17	20:36	AT DIAL : DIST PROT, ZONE-I, DIST 1.59KM. AT BAMNAULI : DIST PROT, ZONE-I, DIST 13.29KM.

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

DATE	S. N.	TIME		Name of Grid	NAME OF AFFECTED FEEDERS	MODE	LOAD RELIEF IN MW
		OUT	IN				
21.09.17	1	15.00	15.23	VASANT KUNJ	66KV VASANT KUNJ C BLOCK	MALFUNCTIONING	50