DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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MARCH 2018

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR. 2017	MAR. 2018
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)**	**4141**	**3766**
	Date	31.03.17	27.03.18
	Time	19.22.48	09.27.53
3	**Peak Demand met (MW)**	**4139**	**3766**
	Date	31.03.17	27.03.18
	Time	19.22.48	09.27.53
4	Peak Availability (MW)	4107	3683
5	Shortage (-) / Surplus (+) in MW	(-) 32	(-) 83
6	Percentage Shortage (-) / Surplus (+)	(-) 0.77	(-) 2.20
7	Maximum Energy Consume in a day (Mus)	87.421	71.185
8	Energy Consumed during the month	**1967.949**	**2052.029**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.001	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	NDPL	0.019	0.000
	BRPL	0.018	0.000
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.038**	**0.000**
B)	Due to Constraints in System in Mus		
	DTL	0.327	0.035
	NDPL	0.133	0.075
	BRPL	0.305	0.584
	BYPL	0.090	0.061
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.087	0.000
	Total	**0.942**	**0.755**
11	**Grand Total in Mus**	**0.980**	**0.755**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2018

A) For the month of March 2018

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.208	-0.208	0.00	-0.521
2.	**GT**	44.945	1.600	43.345	87.79	127.573
3.	**PPCL**	96.398	2.349	94.049	47.15	18.659
4.	**BTPS**	0.000	1.800	-1.800	61.25	285.919
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	248.856	9.345	239.511	76.30	614.837
7.	**Towmcl**	14.751	2.055	12.696	--	--
8.	**EDWPCL**	3.175	0.889	2.286	--	--
9.	**DMSWL**	2.576	1.098	3.478	--	--
	TOTAL	**410.701**	**19.406**	**393.295**	**--**	**1107.475**

B) For the Year 2017-18 (Upto March 2018)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar. 2018	Availability (%) for Mar. 2018	PLF (%) for Mar. 2018	Cumulative Generation in MUs upto Mar. 2018 for the year 2017-18	Cumulative Availability in % upto Mar. 2018 for the year 2017-18	Cumulative PLF in % upto Mar. 2018 for the year 2017-18
RPH	135	-0.208	0.00	-0.58	-2.738	0.00	-0.10
GT	270	43.345	87.79	22.32	559.069	83.92	24.26
PPCL	330	94.049	47.15	39.32	1911.306	93.60	67.96
BTPS	705	-1.800	61.25	0.00	1220.312	37.35	25.68
Rithala	108	-0.062	**89.17**	0.00	-0.730	**87.48**	0.00
Bawana	1372	239.511	76.30	24.14	2846.552	74.11	24.72
Towmcl	16	12.696	--	137.19	139.090	--	--
EDWPCL	--	2.286	--	39.37	12.659	--	--
DMSWL	--	3.478	--	28.37	87.319	--	--
TOTAL	2936	**393.295**	**--**	**--**	**6772.839**	**--**	**--**

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
		4.10.17	14:17	4.10.17	16:45	Machine tripped on LTTH high. There was a problem in cooling water circuit as the LTTH of other machines were also running High.The self cleaning filter of ACW system cleaned circulating water sytem got normalized.
		4.10.17	16:45	6.10.17	10:15	Stopped due to low demand and high frequency.
		7.10.17	12:32	8.10.17	12:12	
		10.10.17	06:10	10.10.17	09:30	
		10.10.17	16:00	12.10.17	08:42	
		15.10.17	00:03	17.10.17	09:02	
		18.10.17	15:15	28.10.17	09:47	
		30.10.17	05:00	30.10.17	08:00	Machine stopped on TAD High the machine could not sustain on 5 MW.
		30.10.17	08:00	4.11.17	10:25	Stopped due to low demand and high frequency..
		18.11.17	20:05	2.12.17	11:00	Machine stopped to changeover to GT-5 and also intimated to SLDC
		2.12.17	11:06	2.12.17	13:25	Machine again started on trial run after clearance from Mech. Mtc.
		2.12.17	13:34	1.1.18	12.40	Stopped due to low demand and high frequency.
		1.1.18	12:44	5.1.18	10:43	
		8.1.18	19:32	17.1.18	10:05	
		22.1.18	15:01	25.1.18	06:58	
		25.1.18	22:30	29.1.18	06:40	
		30.1.18	15:46	02.02.18	06.50	
		3.2.18	00:57	12.2.18	07:23	
		14.2.18	08:50	14.2.18	09:10	Heavy jerk oberved in control room as Both 160 MVA Tr-I &II tripped at 220 KV side. GT#1 tripped due to grid disturbance.
		14.2.18	15:10	14.2.18	16:17	As per request from SLDC machine put on FSNL to change the 160 MVA Tr-II by 160 Mva Tr-I.
		15.2.18	11:56	23.03.18	16.52	Stopped due to low demand and high frequency.
		23.3.18	20:50	26.3.18	11:59	Machine tripped on overtemperature trip alarm
		30.3.18	20:15	31.3.18	23:59	Machine stopped due to low SF6 gas pressure in the breaker(Changed over to GT-2)

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	
		4.10.17	15:45	6.10.17	09:52	
		7.10.17	12:32	7.10.17	14:24	
		1.11.17	13:32	8.11.17	10:00	
		18.11.17	19:58	9.12.17	19:33	Machine stopped to changeover to GT-6 and also intimated to SLDC
		1.12.17	00:00	9.12.17	19:33	Stopped due to low demand and high frequency. .
		9.12.17	23:59	10.12.17	11:40	
		10.12.17	14:30	30.12.17	11:50	
		30.12.17	11:55	5.1.18	09.58	
		8.1.18	19:32	22.1.18	13:56	
		4.2.18	08:26	4.2.18	08:40	Machine came on FSNL due to grid disturbance.
		14.2.18	08:50	14.2.18	11:40	Heavy jerk oberved in control room as Both 160 MVA Tr-I &II tripped at 220 KV side. GT#2 tripped due to grid disturbance.
		14.2.18	15:10	14.2.18	15:15	As per request from SLDC machine put on FSNL to change the 160 MVA Tr-II by 160 Mva Tr-I.
		15.2.18	12:46	25.03.18	18.10	Stopped due to low demand and high frequency.
		26.3.18	10:58	26.3.18	13:40	Machine tripped on Generator loss of field and electrical trouble.
		26.3.18	13:40	30.3.18	19:20	Stopped due to low demand and high frequency.

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.
		28.9.17	01:00	29.9.17	08:26	Stopped due to low demand and high frequency
		29.9.17	09:04	4.10.17	09:50	Machine stopped as GT-5 was taken on load as per SLDC requirement of load.
		7.10.17	01:00	8.10.17	08:20	Stopped due to low demand and high frequency
		8.10.17	16:30	9.10.17	12:30	
		9.10.17	20:00	14.10.17	12:25	
		15.10.17	00:06	17.10.17	09:40	
		17.10.17	19:01	1.11.17	05:10	
		1.11.17	13:35	8.11.17	10:06	Machine stopped as per SLDC message due to low demand on CCNG.
		9.11.17	00:22	9.11.17	09:00	Machine tripped on high TAD .
		9.11.17	09:00	9.12.17	20:31	Machine cleared from Maintenance side but not taken om load due to low schedule on CCNG.
		9.12.17	23:50	16.12.17	11:46	Stopped due to low demand and high frequency..
		22.12.17	11:40	22.12.17	12:22	Machine tripped on high LTTH.
		13.1.18	14:30	13.1.18	16:56	Machine tripped on manual trip alarm.
		15.1.18	14:56	15.1.18	18:04	The machine stopped to change inlet air filter as TAD is High
		17.1.18	08:15	17.1.18	12:30	Machine tripped on high TAD due to sudden heavy fog.
		17.1.18	12:32	25.1.18	07:42	Stopped due to low demand and high frequency..
		25.1.18	22:49	31.3.18	23:59	

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	13.10.17	11:20	Stopped due to low demand and high frequency
		4.10.17	22:48	5.10.17	01:28	Machine tripped due to communication failed with any IO pack.Loss of flame Tripp alarm appeared.
		5.10.17	01:40	5.10.17	10:48	Stopped due to low demand and high frequency
		7.10.17	01:00	8.10.17	12:00	
		8.10.17	12:00	8.10.17	18:30	Machine taken out from DC due to problem in Field breaker.
		8.10.17	18:35	9.10.17	13:18	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		9.10.17	20:00	14.10.17	12:28	Stopped due to low demand and high frequency
		14.10.17	17:20	17.10.17	10:13	
		17.10.17	11:01	17.10.17	13:13	Machine tripped due to communication failed with any IO pack.
		17.10.17	19:01	31.10.17	23:59	Stopped due to low demand and high frequency.
		1.11.17	00:00	9.11.17	02:04	
		9.11.17	02:23	10.12.17	16:15	
		10.12.17	17:01	28.12.17	13:00	Machine run on trial for cheking the readiness of machine.
		28.12.17	13:05	5.1.18	10.22	Stopped due to low demand and high frequency.
		6.1.18	17:15	13.1.18	15:20	Machine stopped as per SLDC message due to low demand on CCSpot.
		13.1.18	17:45	15.1.18	13:42	Machine started to change filter of GT-3 as TAD was High
		15.1.18	18:40	17.1.18	08:45	Stopped due to low demand and high frequency.
		17.1.18	10:25	31.03.18	23:59	

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	2.10.17	12:30	Stopped due to low demand and high frequency.
		2.10.17	14:00	3.10.17	22:48	Stopped due to low demand and high frequency..
		4.10.17	02:42	4.10.17	12:42	Machine tripped on high exhaust over temperature.
		4.10.17	14:10	4.10.17	15:15	Machine tripped on LTTH high. There was a problem in cooling water circuit as the LTTH of other machines were also running High.The self cleaning filter of ACW system cleaned circulating water sytem got normalized.
		4.10.17	15:15	5.10.17	09:55	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		12.10.17	08:14	14.10.17	11:24	Machine tripped due to Exhaust Temp of Very High cleared by maintenance division
		14.10.17	14:32	14.10.17	16:27	Machine tripped on high exhaust temperature.
		14.10.17	17:15	17.10.17	08:57	Stopped due to low demand and high frequency.
		17.10.17	23:01	3.11.17	05:21	
		1.11.17	14:16	2.11.17	11:25	
		2.11.17	19:35	18.11.17	16:50	Machine changeover to GT-5 and also intimated to SLDC
		1.12.17	10:15	8.12.17	12:50	Stopped due to low demand and high frequency.
		16.12.17	14:46	29.1.18	06.55	
		30.1.18	15:50	02.02.18	07.20	
		3.2.18	01:03	15.2.18	11:54	Machine stopped as per SLDC message due to low demand on CCspot.
		21.2.18	13:41	21.2.18	13:51	Machine tripped on heavy jerk in the system
		1.3.18	17:20	1.3.18	18:00	Machine tripped on Exhaust Overtemp Very High
		23.3.18	20:11	31.3.18	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	23.3.17	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	13.10.17	22:42	
		7.10.17	18:00	8.10.17	13:08	
		11.10.17	06:10	11.10.17	10:11	
		11.10.17	16:00	14.10.17	11:50	
		17.10.17	23:01	1.11.17	05:52	
		4.11.17	10:30	18.11.17	19:07	Machine changeover to GT-6 and also intimated to SLDC
		8.12.17	13:47	9.12.17	19:01	Stopped due to low demand and high frequency.
		10.12.17	03:30	10.12.17	10:07	
		11.12.17	12:45	12.12.17	07:02	
		14.12.17	20:45	3.1.18	12.35	
		3.1.18	12:37	25.1.18	07:05	Machine stopped after taking scheduled trial of machine and there is no demand from SLDC.
		25.1.18	22:37	29.1.18	06:09	Machine stopped as per SLDC message due to low demand on CCSpot.
		30.1.18	15:52	2.2.18	07.25	
		2.2.18	21:00	9.3.18	07.44	Machine stopped due to low schedule from SLDC.
		23.3.18	19:52	26.3.18	14:00	Machine stopped due to changeover from mod-III to Mod -I and also no SLDC demand .
		26.3.18	14:00	31.3.18	23:59	Machine under Major Inspection and out of DC

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
		4.10.17	14:17	4.10.17	16:45	Machine tripped alongwith tripping of GT#1 .
		4.10.17	16:45	6.10.17	12:24	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		7.10.17	05:30	7.10.17	08:16	Running BFP tripped on De-aerator level very low as this alarm appeared due to burning of control cable near super heater zone area of drum floor. Also Stand by BFP could not be taken as the start permisive not available.Hence Machine tripped manually.
		7.10.17	12:32	8.10.17	07:00	Machine stopped to attend flue gas leakages at super heater zone area of boiler floor.
		8.10.17	07:00	8.10.17	13:34	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		8.10.17	14:26	8.10.17	15:40	Machine tripped due to false alarm of turbine overspeed as all the parameter were running normal.
		25.10.17	06:20	25.10.17	09:09	Machine tripped on failure of LT supply to Boiler and turbine MCC board due to tripping of 800 KVA Transformer-I.Buchholtz relay of 800 KVA Transformer-I operated. On further inspection it was found that the oil level indicator was showing the level of oil as above normal but in actual it was below low level.
		28.10.17	08:10	28.10.17	08:32	Machine tripped on low vacume as MS-13 valve closed suddenly.
		1.11.17	13:32	4.11.17	12:28	Machine stopped as per SLDC message due to low demand on CCNG.
		5.11.17	22:57	5.11.17	23:29	Machine tripped on CH-1 & CH-II operated
		8.11.17	16:02	8.11.17	17:45	Machine tripped due to malfunctioning of speed pick up.
		18.11.17	18:47	09.12.17	21.51	Machine stopped due to changeover to STG-III as intimated also to SLDC
		9.12.17	23:59	10.12.17	13:30	Stopped due to low demand and high frequency.
		10.12.17	13:55	5.1.18	12.41	
		8.1.18	19:32	17.1.18	13:28	Machine stopped as per SLDC message due to low demand on CCSpot.
		24.1.18	21:01	24.1.18	22:24	Machine tripped on reverse power operated. Class A trip relay operated
		4.2.18	08:26	4.2.18	11:15	STG tripped due to grid disturbance
		14.2.18	08:50	14.2.18	13:25	Heavy jerk oberved in control room as Both 160 MVA Tr-I &II tripped at 220 KV side. STG#I tripped due to grid disturbance.
		14.2.18	15:10	14.2.18	15:58	STG#I tripped while change over of ICT no 2 by No 1 at 220 KV side.
		14.2.18	15:58	14.2.18	23:08	Machine tripped as soon as it synchronised with grid and checking in local relay 37G found damaged.
		15.2.18	11:30	15.2.18	20:00	Machine stopped due to heavy leakage of water and steam from various locations.
		15.2.18	20:00	23.3.18	18:47	Machine cleared from maintenance side but not taken on load due to low schedule from SLDC.
		26.3.18	10:58	26.3.18	13:25	STG -I tripped manually due to tripping of GT-2 on Gen loss of field and electrical trouble.

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	4.10.17	11:45	Stopped due to low demand and high frequency
		7.10.17	01:00	7.10.17	18:15	Machine stopped as per SLDC message due to low demand on CCNG.
		7.10.17	18:15	8.10.17	07:00	Machine was taken out from DC to attend leakage of cooling water at ACW inlet line of STG#III.
		8.10.17	07:00	8.10.17	12:00	Machine cleared from maintenance side but not taken on load due low schedule from SLDC.
		8.10.17	16:30	9.10.17	14:48	Stopped due to low demand and high frequency
		9.10.17	20:00	14.10.17	15:00	
		15.10.17	00:06	17.10.17	11:14	
		17.10.17	19:01	1.11.17	07:52	
		1.11.17	13:35	8.11.17	11:58	
		9.11.17	00:22	9.11.17	09:00	Machine tripped due to tripping of GT#3 as machine running on single HRSG#3.
		9.11.17	09:00	16.12.17	13.42	Stopped due to low demand and high frequency
		22.12.17	11:40	22.12.17	13:32	Machine tripped due to tripping of GT#3 as the machine was running on single boiler.
		13.1.18	14:30	13.1.18	17:42	Machine tripped due to tripping of GT#3
		17.1.18	08:15	17.1.18	12:30	Machine tripped as GT#3 tripped on very high TAD.
		17.1.18	12:00	25.1.18	10:04	Stopped due to low demand and high frequency
		25.1.18	22:49	31.3.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot.

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	4.10.17	01:14	
		7.10.17	17:30	8.10.17	09:55	Machine stopped due to heavy leakage from ACW inlet line of STG# III.
		10.10.17	02:25	10.10.17	03:40	Machine tripped on Drum level low.
		12.10.17	08:14	14.10.17	13:05	Machine tripped due to tipping of GT#5 as the machine was running on single GT.but not taken on load due to low schedule from SLDC.
		17.10.17	23:01	1.11.17	08:52	Stopped due to low demand and high frequency
		2.11.17	19:30	2.11.17	20:58	Machine tripped due to hotwell level high

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-3	Contd.	4.11.17	07:45	18.11.17	19:28	Machine changedover to STG-III as also intimated to SLDC
		23.11.17	08:54	23.11.17	09:47	Machine tripped due to tripping of CEP-3B and CEP-3A could not start. Machine thus tripped on low vacuum.
		11.12.17	12:45	11.12.17	13:55	Due to problem in Woodword Governor system load on machine could not be increased beyond 2 MW hence machine tripped manually.
		13.12.17	07:40	13.12.17	08:17	Machine tripped on Class-A operated.
		16.12.17	14:46	25.1.18	09.54	Machine stopped as per demand of SLDC
		25.1.18	22:37	29.1.18	09:03	Machine stopped as per SLDC message due to low demand on CCSpot.
		30.1.18	15:52	02.02.18	09.40	Machine stopped as per SLDC message due to low demand on CCSpot.
		3.2.18	01:06	15.2.18	14:20	Machine stopped due to low schedule from SLDC.
		21.2.18	13:41	25.2.18	15:17	STG-III tripped due to tripping of GT-5. Heavy jerk was observed in the system.
		26.2.18	07:26	26.2.18	08:26	STG-III tripped due to CEP-3A Breaker Flash out during changeover from CEP-3B to CEP-3A. 800 KVA TX-II tripped in jerk.
		1.3.18	17:20	1.3.18	18:30	STG-III tripped due to tripping of GT-5
		7.3.18	08:35	7.3.18	10:14	STG _III tripped due to High hunting in Sec. Oil pressure and thus hunting in load.
		23.3.18	20:00	31.3.18	23:59	Machine stopped due to changeover from mod-III to Mod -I and also no SLDC demand .

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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
		26.11.17	01.34	26.11.17	05.40	Unit tripped due to grid disturbance
		31.12.17	09.00	31.12.17	21.30	Planned mtc.
		31.12.17	21.30	01.01.18	07.33	Stopped due to low demand and high frequency
		13.01.18	21.45	14.01.18	23.30	Unit Stopped for planned mtc.
		14.01.18	23.30	15.01.18	05.52	Stopped due to low demand and high frequency
		04.02.18	08.30	04.02.18	13.16	Unit tripped on grid disturbanec
		14.02.18	08.50	14.02.18	11.59	
		02.03.18	00.00	22.03.18	11.32	Unit Stopped for planned mtc.
		22.03.18	13.53	22.03.18	19.01	Trial run of G.T.-1
		20.03.18	20.03	23.03.18	14.46	
		23.03.18	15.04	23.03.18	19.02	
		23.03.18	20.03	31.03.18	23.59	

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
		31.10.17	14.00	03.11.17	22.41	Stopped for planned inspection.
		04.11.17	06.20	04.11.17	10.13	Unit tripped due to internal fault
		08.11.17	08.54	08.11.17	11.44	Unit tripped due to internal fault
		26.11.17	01.34	26.11.17	02.25	Unit tripped due to grid disturbance
		12.12.17	00.28	12.12.17	03.45	Tripped due to grid disturbance
		12.12.17	03.45	12.12.17	24.00	Planned mtc.
		13.12.17	00.00	13.12.17	06.43	Unit tripped due to grid disturbance
		15.12.17	02.12	15.12.17	05.14	Internal fault
		12.01.18	22.12	13.01.18	20.40	Unit Stopped for planned mtc.
		14.02.18	08.50	14.02.18	10.28	Unit tripped on grid disturbance
		14.02.18	15.29	14.02.18	18.31	Stopped due to low demand and high frequency
		07.03.18	00.00	13.03.18	06.12	
		26.03.18	15.52	26.03.18	17.05	Unit tripped due to internal fault

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
		14.10.17	08.48	14.10.17	11.02	Unit tripped due to internal fault
		15.10.17	08.52	15.10.17	13.18	
		16.10.17	05.34	16.10.17	10.14	
		01.11.17	17.44	01.11.17	18.25	
		26.11.17	01.19	26.11.17	11.02	Unit tripped due to grid disturbance
		12.12.17	00.28	12.12.17	03.01	
		01.01.18	06.55	01.01.18	08.13	STG tripped on internal fault
		13.01.18	11.21	13.01.18	12.04	
		14.02.18	08.50	14.02.18	14.32	Unit tripped due to grid disturbance
		14.02.18	17.49	14.02.18	18.39	
		21.02.18	12.34	21.02.18	14.55	
		07.03.18	00.05	13.03.18	13.56	Unit Stopped for planned mtc.
		23.03.18	13.53	23.03.18	20.24	STG tripped on internal fault
		26.03.18	15.58	26.03.18	17.47	STG tripped on unit 2

(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	31.03.18	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	31.03.18	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	31.03.18	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	31.03.18	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	31.03.18	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	Stopped due to low demand and high frequency
		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	
		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	07.10.17	15.00	Stopped due to internal fault
		07.10.17	15.00	07.10.17	21.09	Stopped due to low demand and high frequency
		01.11.17	03.36	01.11.17	06.08	GT#1 unloaded due to malfunction of limit switch of compressor bleed valve which was supposed to be closed.
		05.11.17	13.27	05.11.17	21.40	
		17.11.17	04.15	19.11.17	21.00	Filter replacement
		01.12.17	14.00	01.12.17	15.24	Internal fault
		17.12.17	21.58	27.12.17	00.00	Stopped due to low demand and high frequency
		27.12.17	00.00	27.12.17	12.00	Stopped due to boroscopic inspection
		27.12.17	12.00	05.01.18	08.41	
		06.01.18	00.00	08.01.18	13.40	Stopped due to low demand and high frequency
		25.01.18	04.51	25.01.18	10.28	Unit stopped due to high DP
		25.01.18	11.04	25.01.18	12.28	High viberation
		25.01.18	12.32	30.01.18	13.26	Stopped due to low demand and high frequency
		11.02.18	20:50	11.02.18	23.02	Tripped due to internal fault
		12.02.18	16:44	08.03.18	05:25	Stopped due to low demand and high frequency
		16.03.18	00:00	19.03.18	13:00	Due to high DP unit shut down and filter replaced
		19.03.18	13:00	20.04.18	11:40	
		25.03.18	12:30	28.03.18	18:06	Stopped due to low demand and high frequency

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	14.12.17	23.59	Upgradation and overhauling of generator.
		15.12.17	23.04	15.12.17	24.00	Tripped due to loss of flame.
		15.12.17	00.00	15.12.17	04.05	
		04.01.18	22.35	05.01.18	02.42	Due to stuck up of B phase of Bay 405 while opening, LBB protection operated on Bay 405 leading to tripping of all the 400 KV Breakers on Bus II namely Bay 403, 409, 413 & 419 and 400 KV Bus II became dead.
		05.01.18	12.53	05.01.18	15.28	Unit Stopped on internal fault.
		06.01.18	08.27	06.01.18	11.03	Due to uncleared fault in 400 KV Bawana – Deepalpur line all the 400 KV Lines emanating from 400 KV CCGT Bawana substation and 400 KV DTL Bawana Substation tripped from remote end along with Generator Transformers of CCGT Bawana leading to complete blackout.
		04.02.18	20:00	04.02.18	23:22	Tripped due to internal fault
		06.02.18	21:00	12.02.18	14:44	Stopped due to low demand and high frequency
		02.03.18	01:12	05.03.18	1:00	
		05.03.18	08:59	05.03.18	10:37	Gas-turbine tripped on “Loss of flame” with decrease in P2 pressure.
		20.03.18	15:25	22.03.18	4:45	Stopped due to low demand and high frequency
		30.03.18	12:25	30.03.18	15:06	Machine tripped on the high exhaust temp spread.

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	Stopped due to low demand and high frequency
		19.06.17	18.55	25.06.17	12.32	
		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	07.10.17	15.00	Stopped due to non availability of G.T.-I & II
		07.10.17	15.00	08.10.17	07.48	Stopped due to low demand and high frequency
		01.11.17	03.45	01.11.17	08.08	Unit tripped manually
		05.11.17	13.33	05.11.17	23.11	Filter replacement
		08.11.17	10.46	08.11.17	12.31	Tripped dueto AVR trouble
		17.11.17	04.15	19.11.17	21.00	Filter replacement
		01.12.17	14.02	01.12.17	16.22	Internal fault
		04.01.18	22:41	05.01.18	04:06	GT#1 stopped to attend internal fault consequently STG#1 stopped
		06.01.18	08:27	06.01.18	13:01	Due to uncleared fault in 400 KV Bawana – Deepalpur line all the 400 KV Lines emanating from 400 KV CCGT Bawana substation and 400 KV DTL Bawana Substation tripped from remote end along with Generator Transformers of CCGT Bawana leading to complete blackout.
		07.01.19	01:01	07.01.19	07:44	HPSU Emeagency Off
		10.01.18	17:15	10.01.18	19:58	Planned Mtc.
		18.01.18	11:39	18.01.18	12:34	Due to high shaft Vibration.
		28.01.18	07:34	28.01.18	17:12	STG#1 Tripped Due to earth fault.
		29.01.18	06:08	29.01.18	15:44	Tripped due to internal fault.
		04.02.18	20:00	04.02.18	23:59	Half STG#1 not available due to non avialablity of GT#2
		11.02.18	20:50	12.02.18	00:39	Unit tripped on internal fault.
		23.02.18	16:06	23.02.18	16:52	Unit tripped on internal fault.
		25.02.18	17:38	25.02.18	20:34	Machine tripped on AVR trouble.Field breaker tripped due to overvoltage.
		26.02.18	00:50	26.02.18	02:42	Unit tripped on internal fault.
		28.02.18	13:14	28.02.18	14:53	
		02.03.18	01:14	04.03.18	22:45	Planned Mtc.
		04.03.18	22:45	05.03.18	08:03	Stopped due to low demand and high frequency
		05.03.18	09:02	05.03.18	11:34	Gas-turbine tripped on "Loss of flame" with decrease in P2 pressure consequently half of STG was taken out of DC.

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	04.10.17	10.30	
		04.10.17	10.30	13.10.17	24.00	
		14.10.17	10.15	15.10.17	09.30	Unit tripped on internal fault.
		15.10.17	09.30	17.11.17	11.52	Stopped due to low demand and high frequency
		19.11.17	20.38	21.11.17	15.55	
		24.11.17	21.16	09.12.17	20.54	
		10.12.17	03.07	10.12.17	09.38	
		11.12.17	13.01	01.03.18	23:26	
		02.03.18	19:15	31.03.18	24:00	

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
		01.10.17	00.00	15.10.17	24.00	
		16.10.17	00.00	29.10.17	16.30	Unit tripped on internal fault.
		29.10.17	16.30	01.11.17	12.10	Stopped due to low demand and high frequency
		01.11.17	19.49	08.11.17	12.23	
		21.11.17	16.50	09.12.17	21.36	
		09.12.17	22.32	31.03.18	23.59	

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
		01.10.17	00.05	01.10.17	02.12	Tripped on low vaccum.
		08.10.17	00.09	31.03.18	23.59	Tripped on 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	31.03.18	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.03.18	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.03.18	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	**9782**	**1302**	**2306**	**2016**	**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**
SJVNL							
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	**17627**	**1990**	**3132**	**2793**	**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	693	622	0	0	622
Ultra Mega Projects							
Sasan	3960	0	446	400	0	0	400
Grand Total	**29047**	**2257**	**4531**	**4032**	**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 MARCH 2018

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	09.38.24	0	41	266	0	251	16	2	14	-3	587	2950	2770	180	3537	0	3537
2	13.26.37	0	40	163	0	130	18	5	15	-3	368	2016	1985	31	2384	0	2384
3	10.16.37	0	40	163	0	-4	18	4	14	-3	232	2708	2670	38	2940	0	2940
4	10.30.00	0	41	159	0	-4	18	6	16	-3	233	2822	2829	-7	3055	0	3055
5	10.40.00	0	42	161	0	22	17	3	17	-3	259	3019	2990	29	3278	0	3278
6	10.36.06	0	42	162	0	251	14	5	-1	-3	470	2849	2896	-47	3319	0	3319
7	10.38.10	0	79	-2	0	292	12	5	-1	-3	382	2996	2962	34	3378	0	3378
8	10.35.00	0	83	-2	0	463	11	5	-1	-3	556	2808	2885	-77	3364	0	3364
9	10.20.36	0	82	-2	0	449	18	6	-1	-3	549	2978	3882	-904	3527	0	3527
10	10.30.00	0	81	-2	0	450	17	5	-1	-3	547	2744	2651	93	3291	0	3291
11	11.12.35	0	81	0	0	445	18	4	-1	-3	544	2644	2614	30	3188	0	3188
12	11.00.00	0	81	-1	0	451	19	3	0	-3	550	2830	2831	-1	3380	0	3380
13	10.40.00	0	81	54	0	453	15	3	0	-3	603	2879	2794	85	3482	4	3486
14	11.17.50	0	80	156	0	460	18	-1	0	-3	710	2918	2722	196	3628	0	3628
15	19.01.43	0	81	156	0	456	16	0	-1	-3	705	2868	2815	53	3573	0	3573
16	10.44.00	0	80	157	0	295	17	0	-1	-3	545	3065	3024	41	3610	0	3610
17	10.42.00	0	82	158	0	266	18	0	-1	-3	520	2811	2796	15	3331	0	3331
18	10.03.10	0	79	156	0	267	17	0	-1	-3	515	2660	2691	-31	3175	0	3175
19	10.31.00	0	79	152	0	266	18	0	-1	-3	511	2691	3057	-366	3202	0	3202
20	19.00.00	0	79	152	0	266	18	0	-1	-3	511	2995	3073	-78	3506	0	3506
21	10.41.00	0	80	149	0	255	10	3	0	-3	494	3095	3072	23	3589	26	3615
22	10.36.49	0	79	149	0	480	16	8	0	-3	729	2856	2874	-18	3585	0	3585
23	11.00.00	0	79	152	0	452	19	4	-1	-3	702	2874	2964	-90	3576	0	3576
24	10.31.57	0	38	152	0	449	15	4	4	-3	659	2690	2725	-35	3349	0	3349
25	19.28.09	0	34	150	0	260	16	6	4	-3	467	2642	2683	-41	3109	0	3109
26	11.00.00	0	3	150	0	253	17	3	12	-3	435	3140	3069	71	3575	0	3575
27	19.27.53	0	35	145	0	296	19	3	11	-3	506	3260	3177	83	3766	0	3766
28	19.09.12	0	36	144	0	338	16	5	11	-3	547	3157	3208	-51	3704	0	3704
29	19.27.30	0	36	146	0	505	16	7	11	-3	718	2980	2917	63	3698	0	3698
30	19.20.14	0	36	146	0	457	15	5	17	-3	673	3079	3032	47	3752	0	3752
31	19.20.44	0	36	148	0	460	17	1	11	-3	670	2943	3032	-89	3613	0	3613

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 2018

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	09.38.24	0	41	266	0	251	16	2	14	-3	587	2950	2770	180	3537	0	3537
2	13.26.37	0	40	163	0	130	18	5	15	-3	368	2016	1985	31	2384	0	2384
3	10.16.37	0	40	163	0	-4	18	4	14	-3	232	2708	2670	38	2940	0	2940
4	10.30.00	0	41	159	0	-4	18	6	16	-3	233	2822	2829	-7	3055	0	3055
5	10.40.00	0	42	161	0	22	17	3	17	-3	259	3019	2990	29	3278	0	3278
6	10.36.06	0	42	162	0	251	14	5	-1	-3	470	2849	2896	-47	3319	0	3319
7	10.38.10	0	79	-2	0	292	12	5	-1	-3	382	2996	2962	34	3378	0	3378
8	10.35.00	0	83	-2	0	463	11	5	-1	-3	556	2808	2885	-77	3364	0	3364
9	10.20.36	0	82	-2	0	449	18	6	-1	-3	549	2978	3882	-904	3527	0	3527
10	10.30.00	0	81	-2	0	450	17	5	-1	-3	547	2744	2651	93	3291	0	3291
11	11.12.35	0	81	0	0	445	18	4	-1	-3	544	2644	2614	30	3188	0	3188
12	11.00.00	0	81	-1	0	451	19	3	0	-3	550	2830	2831	-1	3380	0	3380
13	10.40.00	0	81	54	0	453	15	3	0	-3	603	2879	2794	85	3482	4	3486
14	11.17.50	0	80	156	0	460	18	-1	0	-3	710	2918	2722	196	3628	0	3628
15	19.01.43	0	81	156	0	456	16	0	-1	-3	705	2868	2815	53	3573	0	3573
16	10.44.00	0	80	157	0	295	17	0	-1	-3	545	3065	3024	41	3610	0	3610
17	10.42.00	0	82	158	0	266	18	0	-1	-3	520	2811	2796	15	3331	0	3331
18	10.03.10	0	79	156	0	267	17	0	-1	-3	515	2660	2691	-31	3175	0	3175
19	10.31.00	0	79	152	0	266	18	0	-1	-3	511	2691	3057	-366	3202	0	3202
20	19.00.00	0	79	152	0	266	18	0	-1	-3	511	2995	3073	-78	3506	0	3506
21	10.41.00	0	80	149	0	255	10	3	0	-3	494	3095	3072	23	3589	26	3615
22	10.36.49	0	79	149	0	480	16	8	0	-3	729	2856	2874	-18	3585	0	3585
23	11.00.00	0	79	152	0	452	19	4	-1	-3	702	2874	2964	-90	3576	0	3576
24	10.31.57	0	38	152	0	449	15	4	4	-3	659	2690	2725	-35	3349	0	3349
25	19.28.09	0	34	150	0	260	16	6	4	-3	467	2642	2683	-41	3109	0	3109
26	11.00.00	0	3	150	0	253	17	3	12	-3	435	3140	3069	71	3575	0	3575
27	19.27.53	0	35	145	0	296	19	3	11	-3	506	3260	3177	83	3766	0	3766
28	19.09.12	0	36	144	0	338	16	5	11	-3	547	3157	3208	-51	3704	0	3704
29	19.27.30	0	36	146	0	505	16	7	11	-3	718	2980	2917	63	3698	0	3698
30	19.20.14	0	36	146	0	457	15	5	17	-3	673	3079	3032	47	3752	0	3752
31	19.20.44	0	36	148	0	460	17	1	11	-3	670	2943	3032	-89	3613	0	3613

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MARCH 2018

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

A (i) RPH	0.000
(ii) GT+STG	44.945
(iii) PRAGATI	96.398
(iv) RITHALA	0.000
(v) BAWANA CCGT	248.856
(vi) Timarpur – Okhla	14.751
EDWPCL	3.175
DMSWL	4.576
TOTAL	412.701
B) AVAILABILITY FROM BTPS	-1.854
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	17.606
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**393.241**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	2.624	2.556	2.598	2.530
SALAL	9.444	9.190	9.423	9.170
SASAN	301.325	293.352	300.766	292.810
TANKAPUR	0.287	0.279	0.287	0.279
CHAMERA	5.158	5.025	5.143	5.009
CHAMERA -II	5.465	5.324	5.458	5.317
CHAMERA -III	3.183	3.101	3.183	3.101
DHAULIGANGA	3.340	3.252	3.340	3.252
SEWA -2	4.746	4.617	4.799	4.669
URI	18.043	17.567	18.043	17.567
URI-II	13.134	12.786	13.147	12.800
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	8.761	8.529	8.766	8.534
PARBATI3	1.313	1.279	1.313	1.279
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	2.446	2.377	0.610	0.593
ANTA (RLNG)	24.070	23.427	0.000	0.000
ANTA (LIQUID)	5.196	5.069	0.000	0.000
DADRI (GAS)	10.100	9.841	1.587	1.543
DADRI (RLNG)	20.566	20.015	0.010	0.010
DADRI (LIQUID)	35.240	34.307	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	9.547	9.284	0.000	0.000
AURAIYA (LIQUID)	29.313	28.507	0.000	0.000
SINGRAULI	73.375	71.376	71.700	69.751
SINGRAULI_HYDRO	0.410	0.400	0.410	0.400
RIHAND -I	47.976	46.651	45.687	44.431
RIHAND -II	85.389	83.135	83.098	80.910
RIHAND -III	92.500	90.056	83.635	81.440
UNCHAHAR-I	16.234	15.805	14.037	13.672
UNCHAHAR-II	31.819	30.979	27.680	26.960
UNCHAHAR-III	19.634	19.115	17.119	16.674
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	514.655	501.058	346.409	337.318
DADRI (TH) STAGE-II	290.042	282.523	241.510	235.287
NAPP	30.336	29.527	30.150	29.345
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	14.727	14.347	14.727	14.347
NATHPA JHAKRI	18.491	18.005	15.925	15.516
DULASTI	9.238	8.996	9.238	8.996

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
TEHRI	13.323	12.969	13.323	12.969
JHAJJAR	364.247	354.582	267.038	260.107
KHELGAON	25.272	24.589	19.706	19.183
KHELGAON-II	108.395	105.534	92.891	90.473
FARAKA	10.572	10.282	8.148	7.928
TALA	1.097	1.067	1.097	1.067
TALCHER	0.000	0.000	0.000	0.000
DVC	212.858	211.217	211.217	205.493
CHATTISHGARH	0.000	0.000	0.000	0.000
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	6.134	6.114	6.114	5.956
MAHARASHTRA	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	195.936	193.964	193.964	188.883
DVC MEJIA (LT-08)(BYPL)	70.001	69.476	69.476	67.699
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.803	0.794	0.794	0.773
HIMACHAL PRADESH	6.050	5.937	5.937	5.780
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	34.685	34.276	34.276	33.338
SIKKIM	6.155	6.063	6.063	5.903
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.121	0.120	0.120	0.117
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	4.798	4.648	4.648	4.526
RAJASTHAN(SOLAR) BYPL - LT-35	5.092	4.933	4.933	4.804
RAJASTHAN(SOLAR) TPDDL LT-31	4.482	4.342	4.342	4.229
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-72.211	-73.258	-73.258	-75.247
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MAHARASHTRA	-11.709	-11.925	-11.925	-12.249
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO J&K	-135.634	-137.525	-137.525	-141.259
TO TAMILNADU	-4.002	-4.058	-4.058	-4.178
TO BIHAR	-8.180	-8.282	-8.282	-8.484
TO MEGHALAYA	-11.142	-11.292	-11.292	-11.599
TO MANIPUR	-1.357	-1.376	-1.376	-1.421
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-169.137	-173.796	-173.796	-178.692
TO SIKKIM	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	30.783	30.017	30.783	30.017
TO POWER EXCHANGE (IEX)	-150.409	-154.599	-150.409	-154.599
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-15.950	-16.361	-15.950	-16.361
TO SHARE PROJECT (PUNJAB)	-15.949	-16.360	-15.949	-16.360
TOTAL	**2263.246**	**2183.745**	**1750.846**	**1672.303**

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	1308.511	1273.926	933.492	908.989
NTPC - ER	144.239	140.406	120.745	117.584
NHPC	75.975	73.971	75.972	73.968
NPC	45.063	43.873	44.877	43.692
SASAN	301.325	293.352	300.766	292.810
KOTESHWAR	8.761	8.529	8.766	8.534
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	18.491	18.005	15.925	15.516
TEHRI	13.323	12.969	13.323	12.969
TALA	1.097	1.067	1.097	1.067
JHAJJAR	364.247	354.582	267.038	260.107
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	4.798	4.648	4.648	4.526
RAJASTHAN SOLAR(BYPL)T-35	5.092	4.933	4.933	4.804
RAJASTHAN SOLAR(TPDDL)T-31	4.482	4.342	4.342	4.229
DVC	212.858	211.217	211.217	205.493
CHATTISHGARH	0.000	0.000	0.000	0.000
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	6.134	6.114	6.114	5.956
MAHARASHTRA	0.000	0.000	0.000	0.000
ANDHRA	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	195.936	193.964	193.964	188.883
DVC MEJIA (LT-08)(BYPL)	70.001	69.476	69.476	67.699
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.803	0.794	0.794	0.773
HIMACHAL PRADESH	6.050	5.937	5.937	5.780
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	34.685	34.276	34.276	33.338
SIKKIM	6.155	6.063	6.063	5.903
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.121	0.120	0.120	0.117
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	30.783	30.017	30.783	30.017
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	2858.928	2792.578	2354.666	2292.753

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT POWER PERIPHERY
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-72.211	-73.258	-73.258	-75.247
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MAHARASHTRA	-11.709	-11.925	-11.925	-12.249
TO J&K	-135.634	-137.525	-137.525	-141.259
TO UTTAR PRADESH	0.000	0.000	0.000	0.000
TO TAMILNADU	-4.002	-4.058	-4.058	-4.178
TO BIHAR	-8.180	-8.282	-8.282	-8.484
TO MEGHALAYA	-11.142	-11.292	-11.292	-11.599
TO MANIPUR	-1.357	-1.376	-1.376	-1.421
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-169.137	-173.796	-173.796	-178.692
TO SIKKIM	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-150.409	-154.599	-150.409	-154.599
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-15.950	-16.361	-15.950	-16.361
TO SHARE PROJECT (PUNJAB)	-15.949	-16.360	-15.949	-16.360
TOTAL	-595.682	-608.833	-603.820	-620.450
TOTAL SCHEDULED DRAWAL FROM THE GRID	2263.246	2183.745	1750.846	1672.303

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		2069.635
NET CONSUMPTION		**2052.029**
AVAILABILITY WITHIN DELHI		393.241
ACTUAL DRAWAL FROM THE GRID		1658.788
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-13.515
LOAD SHEDDING		0.755
UNRESTRICTED DEMAND (GROSS)		2070.390
UNRESTRICTED DEMAND (NET)		2052.784
MAX. NET CONSUMPTION		77.185 ON 27.03.2018
MAX. LOAD SHEDDING		78MW ON 13.03.2018 AT 11.44HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3688MW AT 11.00 HRS ON 27.03.2018	0 MW
EVENING PEAK	3766MW AT 19.27.53HRS ON 27.03.2018	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	24.77%
	PRAGATI	43.47%
	RITHALA	0.00%
	BAWANA	27.01%
	Timarpur Okhla	137.19%
	EDWPCL	39.37%
	DMSWL	28.37%

9 SHEDDING DETAILS DURING THE MONTH OF MARCH 2018.

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.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Mar.18	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Mar.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

ALL FIGURES IN MUs

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

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.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
02.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Mar.18	0.009	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
04.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
05.Mar.18	0.000	0.008	0.000	0.000	0.000	0.0000	0.002	0.000	0.000
06.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
07.Mar.18	0.000	0.002	0.000	0.000	0.000	0.006	0.000	0.000	0.000
08.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.002	0.000
09.Mar.18	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.001	0.000
10.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.006	0.000
11.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000
12.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Mar.18	0.000	0.000	0.000	0.000	0.000	0.010	0.001	0.037	0.000
14.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.001	0.000
15.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.001	0.000
16.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
17.Mar.18	0.000	0.0000	0.000	0.000	0.000	0.000	0.005	0.001	0.000
18.Mar.18	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000	0.000
19.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
20.Mar.18	0.000	0.000	0.002	0.000	0.000	0.000	0.036	0.000	0.000
21.Mar.18	0.000	0.004	0.000	0.000	0.000	0.000	0.157	0.009	0.000
22.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000
23.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000
24.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000
25.Mar.18	0.002	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000
26.Mar.18	0.000	0.003	0.002	0.000	0.000	0.000	0.020	0.002	0.000
27.Mar.18	0.000	0.003	0.0000	0.000	0.000	0.001	0.015	0.001	0.000
28.Mar.18	0.000	0.000	0.000	0.000	0.000	0.001	0.095	0.003	0.000
29.Mar.18	0.000	0.000	0.000	0.000	0.000	0.037	0.021	0.003	0.000
30.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.000	0.000
31.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**0.011**	**0.020**	**0.004**	**0.000**	**0.000**	**0.061**	**0.584**	**0.075**	**0.000**

ALL FIGURES IN MUs

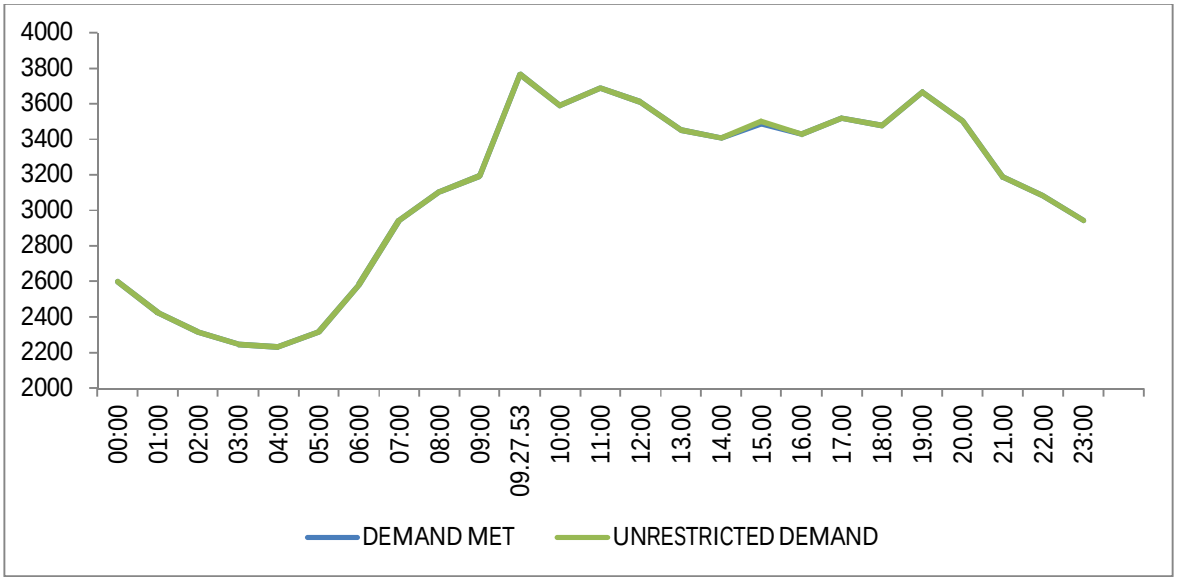
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
02.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
03.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
04.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
05.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
06.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
07.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
08.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
09.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
10.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
11.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
12.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
13.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.048**	**0.048**
14.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.016**	**0.016**
15.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
16.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
17.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
18.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
19.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
20.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.038**	**0.038**
21.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.170**	**0.170**
22.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
23.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
24.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.028**	**0.028**
25.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
26.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.027**	**0.027**
27.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.020**	**0.020**
28.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.099**	**0.099**
29.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.061**	**0.061**
30.Mar.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.108**	**0.108**
31.Mar.18	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**	**0.755**	**0.755**

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.Mar.18	**60.607**	**3537**	09:38:24	0	**3537**	**3537**	09:38:24	**3537**	0
02.Mar.18	**47.211**	**2384**	13:26:37	0	**2384**	**2384**	13:26:37	**2384**	0
03.Mar.18	**53.537**	**2940**	10:16:37	0	**2940**	**2940**	10:16:37	**2940**	0
04.Mar.18	**58.596**	**3055**	10:30	0	**3055**	**3055**	10:30	**3055**	0
05.Mar.18	**61.441**	**3278**	10:40	0	**3278**	**3278**	10:40	**3278**	0
06.Mar.18	**62.257**	**3319**	10:35:06	0	**3319**	**3319**	10:35:06	**3319**	0
07.Mar.18	**59.575**	**3378**	10:38:10	0	**3378**	**3378**	10:38:10	**3378**	0
08.Mar.18	**64.662**	**3364**	10:35	0	**3364**	**3364**	10:35	**3364**	0
09.Mar.18	**66.394**	**3527**	10:20:36	0	**3527**	**3527**	10:20:36	**3527**	0
10.Mar.18	**62.356**	**3291**	10:30	0	**3291**	**3291**	10:30	**3291**	0
11.Mar.18	**60.440**	**3188**	11:12:35	0	**3188**	**3188**	11:12:35	**3188**	0
12.Mar.18	**65.415**	**3380**	11:00	0	**3380**	**3380**	11:00	**3380**	0
13.Mar.18	**67.788**	**3482**	10:40	4	**3486**	**3486**	10:40	**3482**	4
14.Mar.18	**69.566**	**3628**	11:17:50	1	**3629**	**3629**	11:17:50	**3628**	1
15.Mar.18	**69.801**	**3573**	19:01:43	0	**3573**	**3573**	19:01:43	**3573**	0
16.Mar.18	**70.483**	**3610**	10:44:00	0	**3610**	**3610**	10:44:00	**3610**	0
17.Mar.18	**66.080**	**3331**	10:42	0	**3331**	**3331**	10:42	**3331**	0
18.Mar.18	**62.573**	**3175**	10:03:10	0	**3175**	**3175**	10:03:10	**3175**	0
19.Mar.18	**67.565**	**3472**	10:31	0	**3472**	**3472**	10:31	**3472**	0
20.Mar.18	**69.455**	**3506**	19:00	0	**3506**	**3506**	19:00	**3506**	0
21.Mar.18	**71.339**	**3589**	10:41:00	26	**3615**	**3615**	10:41:00	**3589**	26
22.Mar.18	**67.678**	**3585**	10:36:49	0	**3585**	**3585**	10:36:49	**3585**	0
23.Mar.18	**67.395**	**3576**	11:00	0	**3576**	**3576**	11:00	**3576**	0
24.Mar.18	**65.801**	**3349**	10:31:57	0	**3349**	**3349**	10:31:57	**3349**	0
25.Mar.18	**64.921**	**3109**	19:28:09	0	**3109**	**3109**	19:28:09	**3109**	0
26.Mar.18	**71.883**	**3575**	11:00	0	**3575**	**3575**	11:00	**3575**	0
27.Mar.18	**77.185**	**3766**	19:27:53	0	**3766**	**3766**	19:27:53	**3766**	0
28.Mar.18	**74.515**	**3704**	19:09:12	0	**3704**	**3704**	19:09:12	**3704**	0
29.Mar.18	**75.047**	**3698**	19:27:30	0	**3698**	**3698**	19:27:30	**3698**	0
30.Mar.18	**75.768**	**3752**	19:20:14	0	**3752**	**3752**	19:20:14	**3752**	0
31.Mar.18	**74.695**	**3613**	19:20:44	0	**3613**	**3613**	19:20:44	**3613**	0
TOTAL	**2052.029**	**3766** **27.03.18**	19:27:53	0	**3766** **27.03.18**	**3766**	19:27:53	**3766**	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2018 ON 27.03.2018- 3766MW AT 09.27.53HRS.

All figures in MW

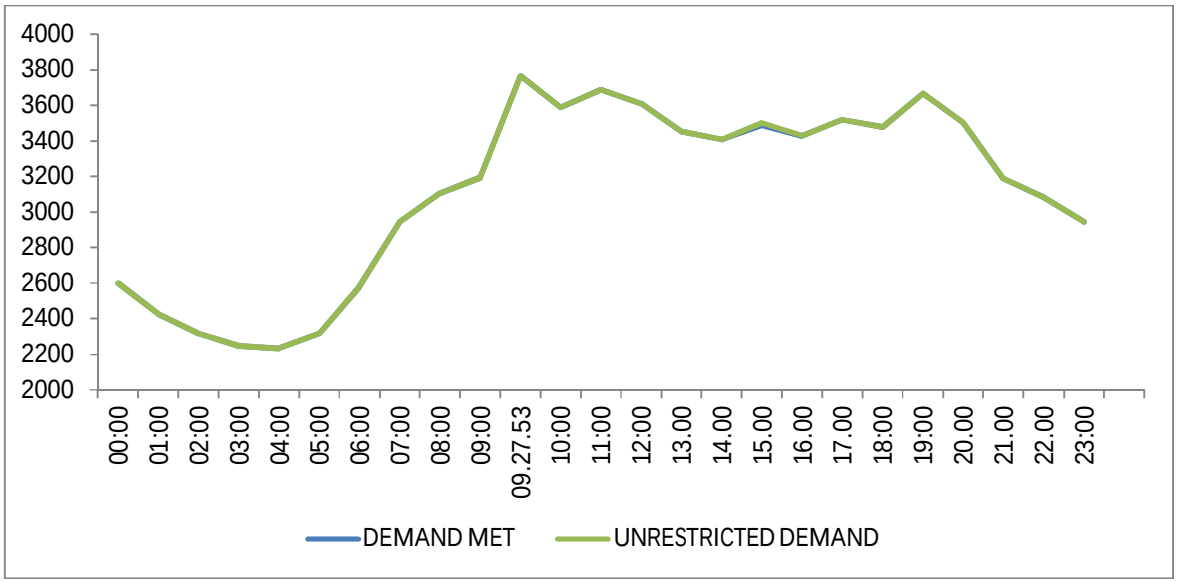
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	2600	0	2600
01:00	2426	0	2426
02:00	2318	0	2318
03:00	2248	0	2248
04:00	2235	0	2235
05:00	2318	0	2318
06:00	2581	0	2581
07:00	2945	0	2945
08:00	3107	0	3107
09:00	3194	0	3194
09.27.53	3766	0	3766
10:00	3590	0	3590
11:00	3688	0	3688
12:00	3609	0	3609
13.00	3453	0	3453
14.00	3405	0	3405
15.00	3489	12	3501
16.00	3428	0	3428
17.00	3519	0	3519
18:00	3476	0	3476
19:00	3666	0	3666
20.00	3502	0	3502
21.00	3186	0	3186
22.00	3086	0	3086
23:00	2943	0	2943
Total (IN MUS)	**77.185**	**0.020**	**77.205**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2018 ON 27.03.2018-3766MW AT 09.27.53HRS.

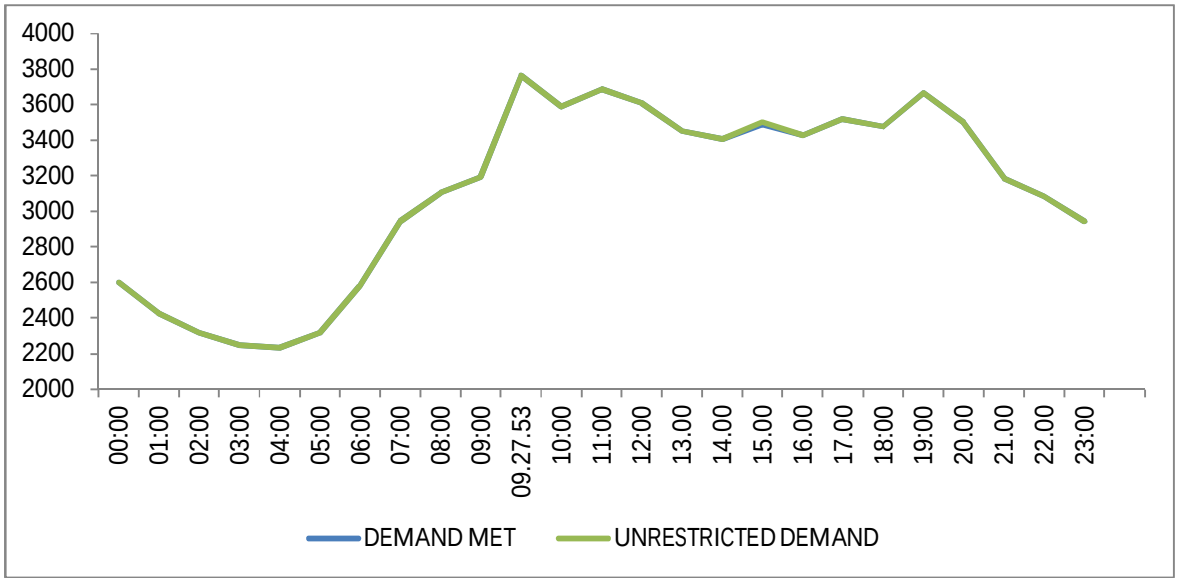
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	2600	0	2600
01:00	2426	0	2426
02:00	2318	0	2318
03:00	2248	0	2248
04:00	2235	0	2235
05:00	2318	0	2318
06:00	2581	0	2581
07:00	2945	0	2945
08:00	3107	0	3107
09:00	3194	0	3194
09.27.53	3766	0	3766
10:00	3590	0	3590
11:00	3688	0	3688
12:00	3609	0	3609
13.00	3453	0	3453
14.00	3405	0	3405
15.00	3489	12	3501
16.00	3428	0	3428
17.00	3519	0	3519
18:00	3476	0	3476
19:00	3666	0	3666
20.00	3502	0	3502
21.00	3186	0	3186
22.00	3086	0	3086
23:00	2943	0	2943
Total (IN MUS)	**77.185**	**0.020**	**77.205**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2018 – 27.03.2018 – 71.185Mus All figures in MW

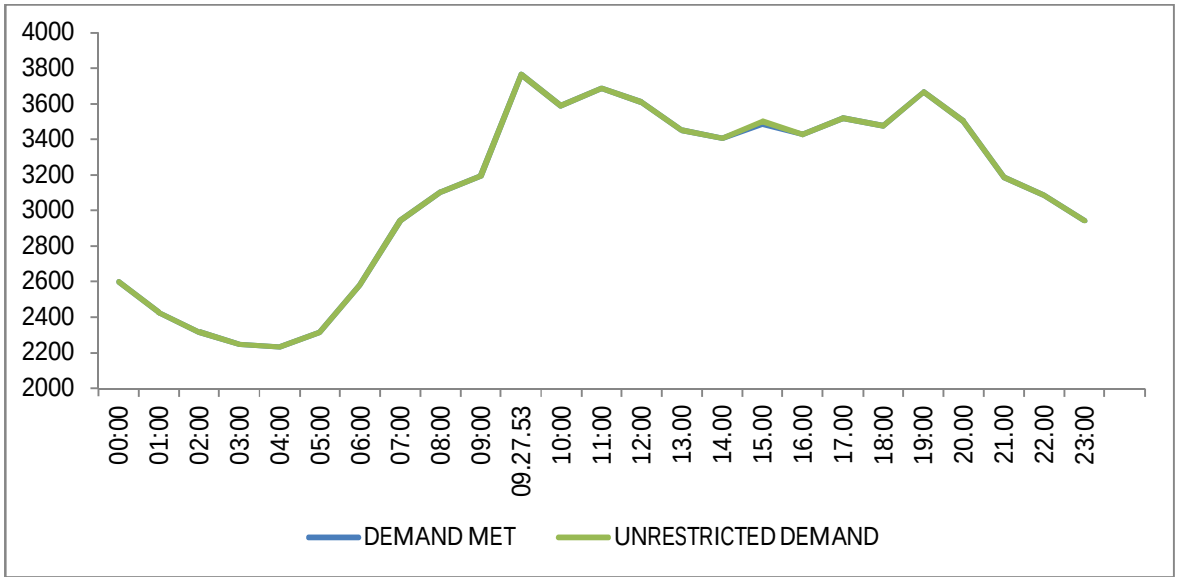
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	2600	0	2600
01:00	2426	0	2426
02:00	2318	0	2318
03:00	2248	0	2248
04:00	2235	0	2235
05:00	2318	0	2318
06:00	2581	0	2581
07:00	2945	0	2945
08:00	3107	0	3107
09:00	3194	0	3194
09.27.53	3766	0	3766
10:00	3590	0	3590
11:00	3688	0	3688
12:00	3609	0	3609
13.00	3453	0	3453
14.00	3405	0	3405
15.00	3489	12	3501
16.00	3428	0	3428
17.00	3519	0	3519
18:00	3476	0	3476
19:00	3666	0	3666
20.00	3502	0	3502
21.00	3186	0	3186
22.00	3086	0	3086
23:00	2943	0	2943
Total (IN MUS)	**77.185**	**0.020**	**77.205**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2018 – 27.03.2018 – 77.205 Mus

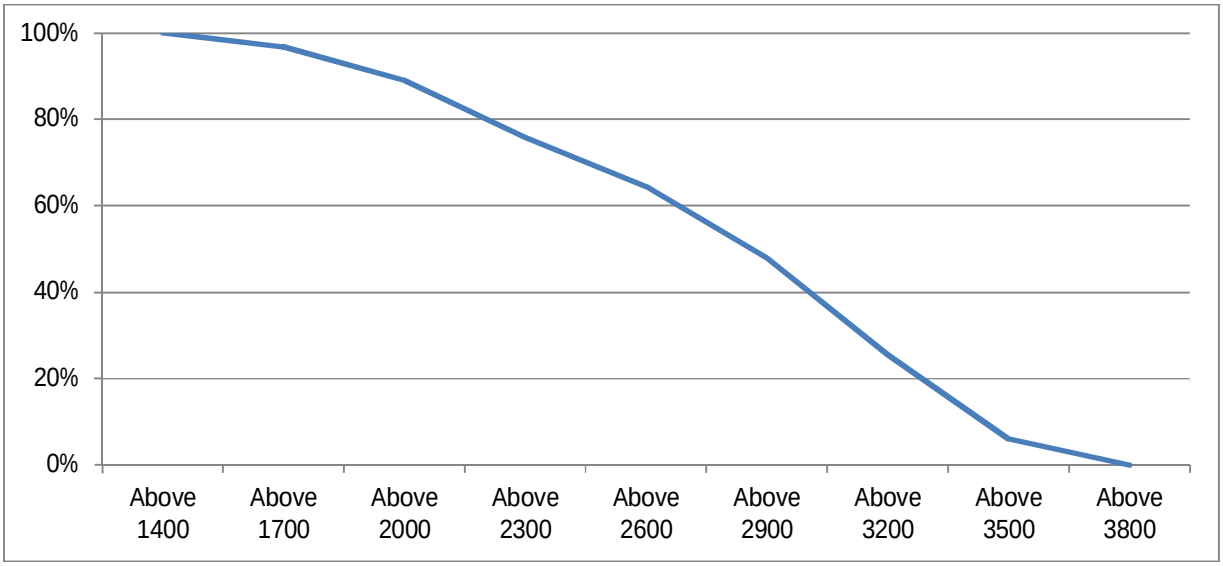
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	2600	0	2600
01:00	2426	0	2426
02:00	2318	0	2318
03:00	2248	0	2248
04:00	2235	0	2235
05:00	2318	0	2318
06:00	2581	0	2581
07:00	2945	0	2945
08:00	3107	0	3107
09:00	3194	0	3194
09.27.53	3766	0	3766
10:00	3590	0	3590
11:00	3688	0	3688
12:00	3609	0	3609
13.00	3453	0	3453
14.00	3405	0	3405
15.00	3489	12	3501
16.00	3428	0	3428
17.00	3519	0	3519
18:00	3476	0	3476
19:00	3666	0	3666
20.00	3502	0	3502
21.00	3186	0	3186
22.00	3086	0	3086
23:00	2943	0	2943
Total (IN MUS)	**77.185**	**0.020**	**77.205**



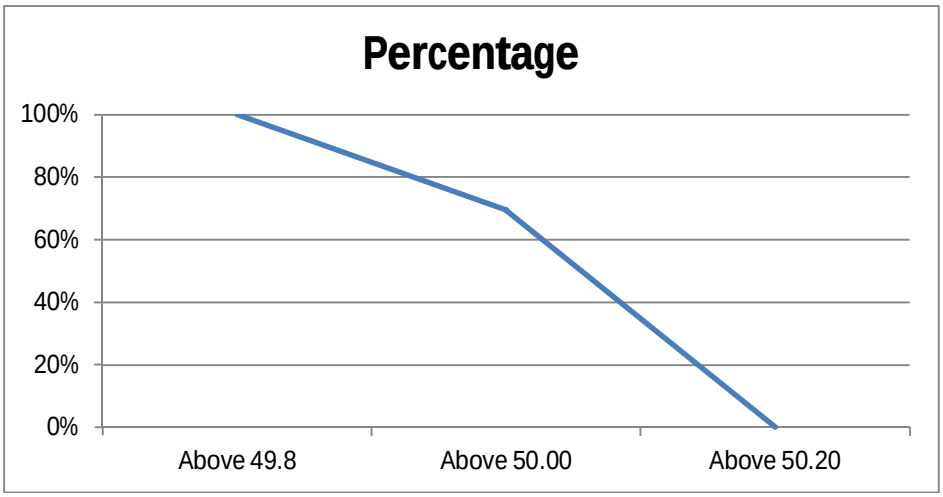
14 LOAD DURATION CURVE FOR MARCH 2018

Load in MW	Percentage of Time
Above 1400	100%
Above 1700	96.77%
Above 2000	89.05%
Above 2300	75.94%
Above 2600	64.42%
Above 2900	47.88%
Above 3200	25.47%
Above 3500	6.01%
Above 3800	0.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2018

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.0	69.52
Above 50.2	0.00



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MARCH 2018

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Mar.18	236.01	227.50	240.91	231.49
02.Mar.18	238.59	229.43	242.07	232.78
03.Mar.18	240.26	227.24	241.68	0.00
04.Mar.18	238.85	226.34	241.55	234.33
05.Mar.18	238.20	225.30	241.81	231.75
06.Mar.18	237.30	225.69	240.14	231.11
07.Mar.18	235.75	223.50	238.33	227.37
08.Mar.18	235.75	223.11	238.20	226.98
09.Mar.18	237.17	224.27	237.94	227.63
10.Mar.18	236.40	225.30	237.94	228.92
11.Mar.18	234.72	223.63	238.59	228.14
12.Mar.18	233.43	219.89	236.65	226.72
13.Mar.18	233.95	223.37	237.94	228.01
14.Mar.18	237.94	225.69	238.33	228.92
15.Mar.18	237.81	223.11	238.97	229.30
16.Mar.18	234.46	222.34	236.27	228.27
17.Mar.18	235.75	224.40	237.56	229.17
18.Mar.18	234.72	224.79	237.17	230.85
19.Mar.18	235.11	224.01	235.88	228.01
20.Mar.18	234.98	221.82	237.69	228.27
21.Mar.18	237.56	222.08	239.10	227.24
22.Mar.18	235.88	222.08	238.20	228.01
23.Mar.18	237.81	222.08	238.33	225.95
24.Mar.18	235.62	223.11	237.69	228.01
25.Mar.18	235.36	224.66	238.20	229.82
26.Mar.18	236.27	220.53	239.23	226.59
27.Mar.18	235.62	220.15	237.56	226.85
28.Mar.18	235.36	223.50	237.56	227.24
29.Mar.18	234.07	222.85	235.75	226.21
30.Mar.18	232.40	221.18	235.88	226.72
31.Mar.18	235.36	223.63	237.17	228.27

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MARCH 2018

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Mar.18	418.56	04:03:15	401.44	11:08:27	410.38
02.Mar.18	421.61	04:01:09	403.08	18:56:51	413.75
03.Mar.18	421.37	04:01:32	402.85	07:35:03	411.40
04.Mar.18	419.26	03:59:56	402.61	11:53:58	411.55
05.Mar.18	419.73	04:00:39	401.91	11:12:30	410.35
06.Mar.18	417.15	13:02:44	401.44	07:15:03	410.12
07.Mar.18	416.21	04:02:46	397.92	10:11:37	407.08
08.Mar.18	415.04	04:01:29	397.92	11:26:20	407.05
09.Mar.18	413.63	20:44:35	396.99	09:39:34	406.10
10.Mar.18	412.46	04:57:37	397.45	18:47:08	405.30
11.Mar.18	413.40	20:56:52	396.05	07:20:31	406.04
12.Mar.18	410.35	21:17:46	394.64	11:27:34	403.17
13.Mar.18	412.46	21:45:20	396.28	11:08:48	404.15
14.Mar.18	414.81	04:59:41	399.80	15:21:52	406.41
15.Mar.18	414.34	05:02:53	397.92	18:48:06	405.56
16.Mar.18	411.06	04:00:38	397.22	11:09:19	404.38
17.Mar.18	414.57	05:00:51	398.16	10:23:22	406.13
18.Mar.18	413.40	04:02:04	402.14	18:52:56	408.50
19.Mar.18	413.40	04:00:48	400.27	19:14:40	406.57
20.Mar.18	412.46	04:00:01	397.45	18:53:43	405.91
21.Mar.18	415.74	04:00:35	394.88	18:58:07	405.66
22.Mar.18	414.34	04:02:28	396.28	19:11:04	406.48
23.Mar.18	416.92	04:01:05	396.28	18:58:47	407.07
24.Mar.18	414.81	04:00:25	395.81	18:59:22	406.48
25.Mar.18	414.34	01:59:12	400.74	19:12:04	409.09
26.Mar.18	416.68	04:01:26	398.63	19:12:08	407.89
27.Mar.18	415.98	04:48:49	395.81	11:19:11	407.27
28.Mar.18	415.74	03:59:33	397.92	19:15:45	406.59
29.Mar.18	412.70	00:51:16	396.28	19:14:09	406.08
30.Mar.18	414.34	03:31:11	398.16	19:24:22	406.07
31.Mar.18	415.04	04:01:43	401.44	18:58:25	408.73

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Mar.18	423.72	17:05:55	409.88	07:20:39	417.14
02.Mar.18	428.64	21:59:16	410.82	18:55:16	420.89
03.Mar.18	430.28	03:59:41	411.52	18:40:43	421.04
04.Mar.18	428.64	02:00:22	411.29	11:52:36	420.01
05.Mar.18	427.70	00:52:07	408.48	18:43:01	418.28
06.Mar.18	425.36	20:59:01	409.18	07:09:30	417.83
07.Mar.18	422.78	04:03:27	405.43	10:50:25	414.35
08.Mar.18	421.84	04:01:26	404.25	11:31:37	414.33
09.Mar.18	422.08	20:45:08	406.37	09:36:18	414.33
10.Mar.18	422.55	04:52:05	406.13	07:07:23	415.04
11.Mar.18	421.84	20:57:13	405.19	07:17:15	414.40
12.Mar.18	419.26	21:17:07	404.49	11:20:29	412.39
13.Mar.18	419.73	21:51:35	405.43	11:20:53	412.63
14.Mar.18	423.01	05:00:57	408.01	15:21:58	414.11
15.Mar.18	423.72	05:01:07	405.66	18:49:43	414.16
16.Mar.18	419.03	04:19:38	404.02	11:36:01	412.49
17.Mar.18	422.08	05:01:06	407.54	10:19:20	414.48
18.Mar.18	420.90	04:01:51	407.77	18:53:15	415.51
19.Mar.18	421.37	04:00:54	405.66	18:46:51	414.03
20.Mar.18	422.55	04:50:51	403.08	18:47:33	414.05
21.Mar.18	425.36	04:01:31	403.79	18:51:31	415.75
22.Mar.18	422.55	04:02:54	406.13	18:59:19	415.35
23.Mar.18	426.77	04:03:53	403.32	19:05:00	416.14
24.Mar.18	422.08	04:00:03	403.08	19:00:35	414.28
25.Mar.18	421.84	01:57:48	404.25	18:58:02	416.57
26.Mar.18	423.25	03:59:05	402.61	18:59:23	414.47
27.Mar.18	424.89	04:49:02	404.02	18:55:15	414.49
28.Mar.18	421.37	05:01:40	405.43	18:41:41	413.68
29.Mar.18	420.20	00:51:06	406.13	19:12:36	414.03
30.Mar.18	420.67	03:15:20	406.37	19:26:58	413.51
31.Mar.18	421.37	04:00:36	409.65	18:58:17	416.09

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**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
21	**Gopalpur S/stn**		30.00	5.04	**35.04**
1	Hudson Lane			5.95	**5.95**
2	Wazirabad			7.20	**7.20**
3	Indra Vihar			5.95	**5.95**
4	DIFR			5.44	**5.44**
5	GTK Road			5.44	**5.44**
6	Jahangirpuri		10.00	5.95	**15.95**
7	Civil lines			7.20	**7.20**
8	Pitam Pura-3			5.44	**5.44**
9	SGT Nagar			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**
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**

Sl. No	SUB-STATION	INSTALLED CAPACITY			
		66KV	33kV	11kV	TOTAL
28	**MUNDKA**				
1	Mangolpuri-I			20.35	**20.35**
2	Rohini Sec-23	20.00		12.64	**32.64**
3	66kV Mundka			21.60	**21.60**
		20.00	**0.00**	**54.59**	**74.59**
29	**DSIDC BAWANA**				
1	DSIDC NRL-1	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**
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**
2	Siraspur			**7.20**	**7.20**
		0.00	**0.00**	**20.35**	**20.35**

Utility	HT	LT	Total
BYPL	**905.23**	**102.00**	**1007.23**
BRPL	**1308.19**	**242.00**	**1550.19**
TPDDL	**830.90**	**119.00**	**949.90**
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	**4097.80**	**487.00**	**4584.80**

20 DETAILS OF BREAK-DOWNS DURING THE MONTH OF MARCH 2018

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.3.18	10:58	OKHLA 220/66kV 100MVA Tx-II	1.3.18	13:05	TRIPPED ON DIFFERENTIAL, RYB PHASE, 186.
2	1.3.18	22:25	220kV PRAGATI - SARITA VIHAR CKT - I	2.3.18	10:55	AT SARITA VIHAR : POLE DISCREPANCY.
3	2.3.18	12:05	OKHLA 220/66kV 100MVA Tx-II	2.3.18	14:55	DIFFERENTIAL, RYB PHASE, 86.
4	2.3.18	13:53	220kV ROHINI-SHALIMARBAGH CKT-I	2.3.18	15:07	AT ROHINI : DIST PROT, ZONE-I, DIST 4.426KM, ABC PHASE.
5	3.3.18	13:29	220kV ROHINI-SHALIMARBAGH CKT-I	3.3.18	18:38	AT ROHINI : TRIPPED ON DIFFERENTIAL, 86A
6	5.3.18	10:05	OKHLA 220/33kV 100MVA Tx-IV	5.3.18	12:45	TR. TRIPPED ON MASTER RELAY 86.
7	5.3.18	10:05	OKHLA 220/33kV 100MVA Tx-III	5.3.18	12:45	TRIPPED ON TROUBLE ALARM.
8	8.3.18	11:57	220 KV GOPALPUR-WAZIRABAD CKT-2	8.3.18	12:25	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 2.066KM.
9	10.3.18	10:45	220kV DSIIDC BAWANA-NARELA CKT-II	10.3.18	10:52	AT NARELA : TRIPPED ON 86, 186, AB PHASE.
10	13.3.18	12:50	220kV MEHRAULI - BTPS CKT. - II	13.3.18	15:17	AT MEHRAULI : DIST PROT, ZONE-I, DIST 13.92KM. AT BTPS : DIST PROT, ZONE-I , DIST 3.3KM.
11	13.3.18	22:55	220kV MAHARANI BAGH - SARITA VIHAR CKT	14.3.18	11:15	AT SRITA VIHAR : MADE OFF DUE TO HEAVY SPARKING NEAR TOWER NO 38.
12	16.3.18	21:00	PATPARGANJ 33/11kV, 20MVA Tx	17.3.18	15:50	TRIPPED ON 86.
13	17.3.18	12:12	PEERA GARHI 33kV A-4 PASCHIM VIHAR CKT-I	17.3.18	17:56	TRIPPED ON 86B
14	17.3.18	12:12	PEERA GARHI 220/33kV 100MVA Tx-II	17.3.18	15:40	TRIPPED ON 86A&B.
15	18.3.18	00:00	PREETVIHAR 220/33kV 100MVA Tx-I			PUT OFF DUE TO ACETYLENE GAS FORMATION.
16	20.3.18	13:14	220kV GOPALPUR- MANDOLACKT-I	20.3.18	19:54	AT GOPALPUR : DIST PROT, DIST 8.32KM, R PHASE, 86. AT MANDOLA : R PHASE.
17	21.3.18	10:35	NARELA 66/11kV, 20MVA Tx-II	21.3.18	18:02	86 RELAY BURNT.
18	21.3.18	13:45	LODHI RD 220/33kV 100MVA TR. -III	21.3.18	13:55	I/C-III TRIPPED.
19	22.3.18	12:54	PATPARGANJ 220/33kV 100MVA Tx-I	22.3.18	15:35	86, PRV.
20	22.3.18	22:23	ROHINI 220/66kV 100MVA Tx-I	22.3.18	22:59	86
21	23.3.18	08:15	WAZIRABAD 66kV SONIA VIHAR CKT-I	23.3.18	12:30	PREVENTIVE MTC.
22	24.3.18	14:35	220kV BAMNAULI - DIAL CKT-II	24.3.18	20:13	AT BAMNAULI : DIST PROT, DIST 9.97KM, 186A&B. AT DIAL : DIST PROT, ZONE-I, B PHASE, DIFFERENTIAL.
23	26.3.18	14:25	KANJHAWALA 66/11kV, 20MVA Tx-II	26.3.18	15:00	E/F.
24	27.3.18	11:20	220kV BAMNAULI-PAPPANKALAN-I CKT-II	27.3.18	16:16	AT PAPANKALAN-I : DIST PROT, R PHASE, 186A&B AT BAMNAULI : DIST PROT, ZONE-I, DIST 6.427KM, 186A&B.
25	27.3.18	12:00	220kV PAPPANKALAN-I-NARAINA CKT-I	27.3.18	13:35	AT NARINA : 86ABC. AT PAPANKALAN-I : CKT. DID NOT TRIP
26	27.3.18	15:30	220kV MEHRAULI - BTPS CKT. - I	27.3.18	17:18	AT MEHRAULI : DIST PROT, ZONE-I, 186 AT BTPS : DIST PROT, ZONE-I, DIST 15.3KM, E/F.
27	28.3.18	11:43	PRAGATI 220/66kV 160MVA Tx-II	28.3.18	17:10	E/F.
28	28.3.18	12:47	220 KV GOPALPUR-WAZIRABAD CKT-2	28.3.18	16:44	AT WAZIRABAD : DIST PROT,ZONE-I, DIST 5.819KM.
29	29.3.18	03:20	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	29.3.18	11:30	E/F, 86.
30	29.3.18	06:15	SARITA VIHAR 220/66kV 100MVA Tx-I	29.3.18	13:05	TRIPPED WITHOUT INDICATION.

20 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MARCH 2018

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