DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUARY 2018

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JAN. 2017	JAN. 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)**	**4168**	**4464**
	Date	20.01.2017	05.01.2018
	Time	10.00.08	09.56.11
3	**Peak Demand met (MW)**	**4168**	**4464**
	Date	20.01.2017	05.01.2018
	Time	10.00.08	09.56.11
4	Peak Availability (MW)	4032	4153
5	Shortage (-) / Surplus (+) in MW	(-) 136	(-) 311
6	Percentage Shortage (-) / Surplus (+)	(-) 3.26	(-) 6.97
7	Maximum Energy Consume in a day (Mus)	68.742	72.199
8	Energy Consumed during the month	**1931.576**	**2062.443**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	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	0.031	0.036
	BRPL	0.201	0.000
	BYPL	0.006	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	**0.238**	**0.036**
B)	Due to Constraints in System in Mus		
	DTL	0.207	0.528
	NDPL	0.302	0.048
	BRPL	0.400	0.337
	BYPL	0.025	0.040
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.011
	Total	**0.934**	**0.964**
11	**Grand Total in Mus**	**1.172**	**1.000**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2018

A) For the month of January 2018

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.198	-0.198	0.00	0.00
2.	**GT**	43.439	1.752	41.687	81.48	116.998
3.	**PPCL**	200.000	4.356	195.644	89.12	17.148
4.	**BTPS**	0.000	2.087	-2.087	0.00	0.00
5.	**Rithala**	0.000	0.062	-0.062	**89.17**	61.008
6.	**Bawana**	279.524	8.572	270.952	85.90	581.130
7.	**Towmcl**	11.998	1.680	10.318	--	--
8.	**EDWPCL**	1.598	1.007	0.591	--	--
9.	**DMSWL**	8.357	1.759	6.598	--	--
	TOTAL	**544.916**	**21.473**	**523.443**	**--**	**776.284**

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan. 2018	Availability (%) for Jan 2018	PLF (%) for Jan 2018	Cumulative Generation in MUs upto Jan 2018 for the year 2017-18	Cumulative Availability in % upto Jan 2018 for the year 2017-18	Cumulative PLF in % upto Jan 2018 for the year 2017-18
RPH	135	-0.198	0.00	0.00	-2.336	0.00	0.00
GT	270	41.687	81.48	21.43	485.513	82.02	25.12
PPCL	330	195.644	89.12	81.92	1638.165	96.50	69.47
BTPS	705	-2.087	0.00	0.00	1223.479	38.35	30.63
Rithala	108	-0.062	**89.17**	0.00	-0.612	**87.15**	0.00
Bawana	1372	270.952	85.90	27.94	2411.752	73.00	25.04
Towmcl	16	10.318	--	--	115.115	--	--
EDWPCL	--	0.591	--	--	9.673	--	--
DMSWL	--	6.598	--	--	76.948	--	--
TOTAL	2936	**523.443**	**--**	**--**	**5957.697**	**--**	**--**

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	31.1.18	23:59	

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	

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	31.1.18	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	31.1.18	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 but not taken on load due to low schedule from SLDC.
		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	31.1.18	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	23.03.17	14.17	30.4.17	07:00	Machine stopped due to low schedule from SLDC on CC spot R-LNG.
		30.4.17	07:00	30.4.17	19:15	machine was not available due to non availability of cooling water as there was leakage from CW return line for which plant shut down was taken.
		30.4.17	19:15	2.5.17	12:45	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	12:45	2.5.17	22:25	After getting schedule from SLDC, Machine could not be taken on load due to early disengaging of Diesel Engine before 65% of Turbine full rpm.
		7.5.17	00:23	7.5.17	00:47	Machine taken on FSNL to change over from Bus bar BB-1 to BB-3
		22.5.17	15:00	06.06.17	21.21	Machine stopped due to no schedule from SLDC on CC NG
		16.6.17	03:49	13.07.17	15.20	Machine could not be taken on bar due to no schedule from SLDC on CC NG
		20.7.17	20:18	22.7.17	12:12	Stopped due to low demand and high frequency
		27.7.17	02:44	27.7.17	15:35	(i) Communication failed with IO pack
		27.7.17	15:40	28.7.17	11:38	Stopped due to low demand and high frequency
		2.8.17	13:08	6.8.17	02:06	Machine stopped as per SLDC message due to low demand on CCNG.
		10.8.17	13:18	10.8.17	13:29	Machine came on FSNL due to disturbance in Pragati 220 KV I.P Ext Grid.
		26.8.17	03:13	26.8.17	22:22	Stopped due to low demand and high frequency.
		26.8.17	22:53	30.8.17	17:50	
		16.9.17	13:18	17.9.17	17:23	
		22.9.17	10:08	22.9.17	18:00	Machine tripped on TAD High(142 mm WC)
		22.9.17	18:00	23.9.17	08:15	Stopped due to low demand and high frequency
		23.9.17	08:15	23.9.17	12:15	Machine not available due to problem in NRV of ACW line.
		23.9.17	12:15	25.9.17	12:55	Stopped due to low demand and high frequency
		25.9.17	19:02	29.9.17	08:00	
		30.9.17	21:00	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	31.1.18	23:59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	30.4.17	07:00	30.4.17	19:15	Machine stopped to attend Lealakge of Cooloing water from CW return line.
		30.4.17	19:15	2.5.17	15:56	Machine could not taken on load due to no schedule from SLDC on CC Spot R-LNG
		2.5.17	23:35	24.5.17	09:40	Stopped due to low demand and high frequency
		7.6.17	09:45	14.6.17	16:58	
		2.7.17	09:47	3.7.17	17:14	Stopped due to low demand and high frequency
		8.7.17	15:25	8.7.17	17:07	Machine tripped as one of the running machine ,GT#2 tripped on loss of excitation.
		13.7.17	18:16	19.7.17	07:20	Stopped due to low demand and high frequency
		22.7.17	18:55	11.8.17	17.35	
		11.8.17	18:47	11.8.17	19:52	machine tripped on drum level very high alarm due drum level contronl valve of both circuit of HRSG# 2 not operative.
		12.8.17	00:07	16.8.17	12:45	Stopped due to low demand and high frequency.
		16.8.17	12:45	28.8.17	18:30	STG-1 taken out of DC due to condenser cleaning
		28.8.17	18:30	7.9.17	16:14	Stopped due to low demand and high frequency
		18.9.17	07:10	18.9.17	22:17	Machine stopped due to heavy leakage of DM water from NRV of CPH O/L valve of HRSG#2.
		19.9.17	12:30	19.9.17	13:40	Machine tripped on high Exhaust steam Pr. High. Though all the parameters were normal all of sudden Exhaust steam pressure became high with in the span of 2-3 seconds.
		23.9.17	08:15	23.9.17	12:15	Machine stopped to attend NRV of ACW Return line.
		23.9.17	12:15	27.9.17	17:05	Stopped due to low demand and high frequency
		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

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	31.1.18	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	31.1.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot.

(C) PRAGATI

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

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.

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	

(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	31.01.18	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	31.01.18	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	31.01.18	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	31.01.18	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	31.01.18	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

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.

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

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	31.01.18	23.59	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.17	11.25	24.05.17	05.23	Stopped due to low demand and high frequency
		24.05.17	14.16	03.06.17	18.26	
		06.06.17	17.35	06.06.17	22.06	Due to Burning of PT circuit wire caused unbalance of voltage in relay thereby resulting in Stator Earth Fault.
		13.06.17	14.42	13.06.17	19.23	It was suspected that probably a mixing of AC & DC signals occurred instantaneously in the DDC panel (CRE 43 & 44) which controls the operations of all the Breakers from the remote (ECP/ OWS System), without any process command which resulted in instantaneous Trip command to Breakers.
		25.06.17	13.32	19.08.17	06.17	Due to changeover the machine.
		06.09.17	23.59	13.09.17	09.52	Stopped due to low demand and high frequency
		18.09.17	15.29	18.09.17	18.24	Due to earth rotar fault
		22.09.17	22.04	27.09.17	08.31	
		01.10.17	00.00	15.10.17	24.00	Stopped due to low demand and high frequency
		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	
		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	31.01.18	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-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	31.01.18	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	31.01.18	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	31.01.18	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	31.01.18	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 JANUARY 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	10.34.14	0	38	262	0	267	17	4	7	-4	591	3451	3337	114	4042	12	4054
2	10.32.09	0	38	266	0	253	17	3	11	-4	584	3437	3243	194	4021	0	4021
3	10.01.30	0	38	264	0	251	19	6	-1	-4	573	3670	3537	133	4243	0	4243
4	10.32.40	0	38	275	0	253	14	1	6	-4	583	3490	3602	-112	4073	0	4073
5	09.56.13	0	37	333	0	197	13	2	12	-4	590	3921	3563	358	4511	0	4511
6	10.03.18	0	159	272	0	-7	13	-2	10	-4	441	3718	3532	186	4159	26	4185
7	11.00.00	0	118	281	0	259	16	-2	10	-4	678	3338	3423	-85	4016	0	4016
8	09.23.11	0	119	326	0	276	19	-2	8	-4	742	3548	3401	147	4290	0	4290
9	09.53.46	0	47	398	0	453	18	1	9	-4	922	3403	3417	-14	4325	0	4325
10	10.00.39	0	47	290	0	448	17	-2	9	-4	805	3436	3418	18	4241	0	4241
11	09.45.22	0	47	279	0	451	12	2	9	-4	796	3409	3331	78	4205	0	4205
12	10.25.37	0	46	292	0	449	12	1	16	-4	812	3421	3480	-59	4233	0	4233
13	09.56.33	0	47	153	0	556	10	2	10	-4	774	3185	3089	96	3959	0	3959
14	09.51.37	0	38	163	0	515	12	2	14	-4	740	3220	3259	-39	3960	0	3960
15	10.24.51	0	41	277	0	556	10	4	13	-4	897	3102	3258	-156	3999	0	3999
16	09.59.00	0	37	275	0	656	12	5	4	-4	985	2925	3058	-133	3910	0	3910
17	10.20.00	0	26	276	0	620	9	2	6	-4	935	3106	3152	-46	4041	0	4041
18	09.54.19	0	39	269	0	450	7	2	9	-4	772	3197	3035	162	3969	0	3969
19	10.29.00	0	39	272	0	467	2	2	7	-4	785	3208	3197	11	3993	0	3993
20	10.24.41	0	39	274	0	457	0	2	5	-4	773	3052	2999	53	3825	0	3825
21	10.46.20	0	39	271	0	456	11	5	8	-4	786	3122	3037	85	3908	0	3908
22	09.25.16	0	39	274	0	452	10	5	6	-4	782	3242	3010	232	4024	0	4024
23	09.32.05	0	43	271	0	452	18	1	11	-4	792	3107	3021	86	3899	0	3899
24	09.47.00	0	41	275	0	522	17	-2	11	-4	860	3217	3186	31	4077	0	4077
25	09.43.44	0	124	328	0	296	16	-1	15	-4	774	3278	3123	155	4052	29	4081
26	10.13.12	0	40	266	0	249	17	0	18	-4	586	2969	2910	59	3555	0	3555
27	10.32.00	0	41	273	0	253	16	0	14	-4	593	3347	3203	144	3940	0	3940
28	10.07.03	0	40	275	0	128	16	0	14	-4	469	3594	3414	180	4063	0	4063
29	09.59.27	0	144	278	0	131	19	-1	12	-4	579	3480	3412	68	4059	0	4059
30	10.23.48	0	143	271	0	251	16	-1	10	-4	686	3294	3279	15	3980	0	3980
31	10.31.31	0	40	274	0	451	16	-1	7	-4	783	3289	3221	68	4072	0	4072

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 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	10.34.14	0	38	262	0	267	17	4	7	-4	591	3451	3337	114	4042	12	4054
2	10.32.09	0	38	266	0	253	17	3	11	-4	584	3437	3243	194	4021	0	4021
3	10.01.30	0	38	264	0	251	19	6	-1	-4	573	3670	3537	133	4243	0	4243
4	10.32.40	0	38	275	0	253	14	1	6	-4	583	3490	3602	-112	4073	0	4073
5	09.56.13	0	37	333	0	197	13	2	12	-4	590	3921	3563	358	4511	0	4511
6	10.03.18	0	159	272	0	-7	13	-2	10	-4	441	3718	3532	186	4159	26	4185
7	11.00.00	0	118	281	0	259	16	-2	10	-4	678	3338	3423	-85	4016	0	4016
8	09.23.11	0	119	326	0	276	19	-2	8	-4	742	3548	3401	147	4290	0	4290
9	09.53.46	0	47	398	0	453	18	1	9	-4	922	3403	3417	-14	4325	0	4325
10	10.00.39	0	47	290	0	448	17	-2	9	-4	805	3436	3418	18	4241	0	4241
11	09.45.22	0	47	279	0	451	12	2	9	-4	796	3409	3331	78	4205	0	4205
12	10.25.37	0	46	292	0	449	12	1	16	-4	812	3421	3480	-59	4233	0	4233
13	09.56.33	0	47	153	0	556	10	2	10	-4	774	3185	3089	96	3959	0	3959
14	09.51.37	0	38	163	0	515	12	2	14	-4	740	3220	3259	-39	3960	0	3960
15	10.24.51	0	41	277	0	556	10	4	13	-4	897	3102	3258	-156	3999	0	3999
16	09.59.00	0	37	275	0	656	12	5	4	-4	985	2925	3058	-133	3910	0	3910
17	10.20.00	0	26	276	0	620	9	2	6	-4	935	3106	3152	-46	4041	0	4041
18	09.54.19	0	39	269	0	450	7	2	9	-4	772	3197	3035	162	3969	0	3969
19	10.29.00	0	39	272	0	467	2	2	7	-4	785	3208	3197	11	3993	0	3993
20	10.24.41	0	39	274	0	457	0	2	5	-4	773	3052	2999	53	3825	0	3825
21	10.46.20	0	39	271	0	456	11	5	8	-4	786	3122	3037	85	3908	0	3908
22	09.25.16	0	39	274	0	452	10	5	6	-4	782	3242	3010	232	4024	0	4024
23	09.32.05	0	43	271	0	452	18	1	11	-4	792	3107	3021	86	3899	0	3899
24	09.47.00	0	41	275	0	522	17	-2	11	-4	860	3217	3186	31	4077	0	4077
25	09.43.44	0	124	328	0	296	16	-1	15	-4	774	3278	3123	155	4052	29	4081
26	10.13.12	0	40	266	0	249	17	0	18	-4	586	2969	2910	59	3555	0	3555
27	10.32.00	0	41	273	0	253	16	0	14	-4	593	3347	3203	144	3940	0	3940
28	10.07.03	0	40	275	0	128	16	0	14	-4	469	3594	3414	180	4063	0	4063
29	09.59.27	0	144	278	0	131	19	-1	12	-4	579	3480	3412	68	4059	0	4059
30	10.23.48	0	143	271	0	251	16	-1	10	-4	686	3294	3279	15	3980	0	3980
31	10.31.31	0	40	274	0	451	16	-1	7	-4	783	3289	3221	68	4072	0	4072

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

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

A (i) RPH	0.000
(ii) GT+STG	43.439
(iii) PRAGATI	200.00
(iv) RITHALA	0.000
(v) BAWANA CCGT	279.524
(vi) Timarpur – Okhla	11.998
EDWPCL	1.598
DMSWL	8.357
TOTAL	544.916
B) AVAILABILITY FROM BTPS	-2.087
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.386
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**523.443**

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	1.221	1.160	1.221	1.160
SALAL	6.841	6.504	6.841	6.504
SASAN	304.870	289.741	297.175	282.438
TANKAPUR	1.145	1.088	1.145	1.088
CHAMERA	3.856	3.664	3.856	3.664
CHAMERA -II	3.963	3.767	3.963	3.767
CHAMERA -III	2.403	2.284	2.403	2.284
DHAULIGANGA	3.509	3.336	3.509	3.336
SEWA -2	1.505	1.431	1.505	1.431
URI	5.921	5.628	5.921	5.628
URI-II	4.729	4.492	4.726	4.491
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.588	9.113	9.588	9.113
PARBATI3	1.460	1.388	1.460	1.388
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	7.586	7.224	1.097	1.043
ANTA (RLNG)	16.254	15.420	0.003	0.003
ANTA (LIQUID)	9.005	8.570	0.000	0.000
DADRI (GAS)	4.202	4.010	0.854	0.815
DADRI (RLNG)	30.908	29.356	0.000	0.000
DADRI (LIQUID)	33.080	31.439	0.000	0.000
AURAIYA (GAS)	7.024	6.657	0.679	0.644
AURAIYA (RLNG)	13.778	13.091	0.019	0.018
AURAIYA (LIQUID)	31.410	29.870	0.000	0.000
SINGRAULI	91.002	86.493	76.233	72.457
RIHAND -I	63.720	60.546	57.938	55.053
RIHAND -II	88.370	83.983	78.426	74.538
RIHAND -III	92.494	87.902	76.419	72.634
UNCHAHAR-I	15.008	14.263	12.197	11.592
UNCHAHAR-II	31.734	30.159	25.145	23.897
UNCHAHAR-III	19.731	18.751	15.797	15.013
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	500.867	475.949	317.350	301.497
DADRI (TH) STAGE-II	513.277	487.787	420.129	399.281
NAPP	33.138	31.492	33.138	31.492
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.588	37.623	39.588	37.623
NATHPA JHAKRI	18.680	17.753	14.085	13.386
DULASTI	9.683	9.203	9.683	9.203
TEHRI	16.950	16.110	16.950	16.110

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
JHAJJAR	305.577	290.449	196.151	186.515
KHELGAON	30.842	29.311	21.171	20.121
KHELGAON-II	99.362	94.424	77.539	73.687
FARAKA	14.130	13.425	9.014	8.564
TALA	1.651	1.569	1.651	1.569
TALCHER	0.000	0.000	0.000	0.000
DVC	237.222	234.831	234.831	223.120
CHATTISHGARH	0.390	0.385	0.385	0.366
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	4.108	4.067	4.067	3.863
MAHARASHTRA	0.000	0.000	0.000	0.000
ANDHRA	0.656	0.650	0.650	0.619
MADHYA PRADESH	0.208	0.205	0.205	0.195
METHON POWER(NDPL)LT-06	169.736	168.035	168.035	159.768
DVC MEJIA (LT-08)(BYPL)	41.012	40.581	40.581	38.497
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.704	0.687	0.687	0.653
HIMACHAL PRADESH	6.223	6.029	6.029	5.730
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
NAGALAND	2.317	2.305	2.305	2.191
DVC LT-9	0.000	0.000	0.000	0.000
HARYANA (LT-05)	62.998	61.489	61.489	58.411
SIKKIM	3.943	3.874	3.874	3.681
WEST BENGAL	0.000	0.000	0.000	0.000
UTTAR PRADESH	13.296	12.815	12.815	12.179
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.487	3.352	3.352	3.186
RAJASTHAN(SOLAR) BYPL - LT-35	3.527	3.391	3.391	3.222
RAJASTHAN(SOLAR) TPDDL LT-31	3.461	3.327	3.327	3.162
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-71.117	-72.419	-72.419	-76.204
TO MANIPUR	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-0.689	-0.718	-0.718	-0.754
TO J&K	-215.655	-220.883	-220.883	-232.425
TO TAMILNADU	-1.560	-1.583	-1.583	-1.664
TO ASSAM	0.000	0.000	0.000	0.000
TO MEGHALAYA	-3.549	-3.587	-3.587	-3.774
TO TRIPURA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-268.905	-278.997	-278.997	-293.578
TO SIKKIM	-12.156	-12.218	-12.218	-12.856
POWER EXCHANGE(IEX)	65.416	62.248	65.416	62.248
TO POWER EXCHANGE (IEX)	-107.420	-113.146	-107.420	-113.146
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.113	-18.010	-17.113	-18.010
TO SHARE PROJECT (PUNJAB)	-17.113	-18.010	-17.113	-18.010
TOTAL	**2393.487**	**2235.130**	**1723.959**	**1563.717**

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	1569.450	1491.473	1082.287	1028.485
NTPC - ER	144.334	137.159	107.723	102.371
NHPC	46.236	43.945	46.234	43.944
NPC	72.726	69.116	72.726	69.116
SASAN	304.870	289.741	297.175	282.438
KOTESHWAR	9.588	9.113	9.588	9.113
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	18.680	17.753	14.085	13.386
TEHRI	16.950	16.110	16.950	16.110
TALA	1.651	1.569	1.651	1.569
JHAJJAR	305.577	290.449	196.151	186.515
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.487	3.352	3.352	3.186
RAJASTHAN SOLAR(BYPL)T-35	3.527	3.391	3.391	3.222
RAJASTHAN SOLAR(TPDDL)T-31	3.461	3.327	3.327	3.162
DVC	237.222	234.831	234.831	223.120
CHATTISHGARH	0.390	0.385	0.385	0.366
TRIPURA	0.000	0.000	0.000	0.000
MEGHALAYA	4.108	4.067	4.067	3.863
MAHARASHTRA	0.000	0.000	0.000	0.000
ANDHRA	0.656	0.650	0.650	0.619
MADHYA PRADESH	0.208	0.205	0.205	0.195
METHON POWER (NDPL)-LT-06	169.736	168.035	168.035	159.768
DVC MEJIA (LT-08)(BYPL)	41.012	40.581	40.581	38.497
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	0.704	0.687	0.687	0.653
HIMACHAL PRADESH	6.223	6.029	6.029	5.730
ASSAM	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
NAGALAND	2.317	2.305	2.305	2.191
DVC (FOR NDPL) LT-09	0.000	0.000	0.000	0.000
HARYANA (LT -05)	62.998	61.489	61.489	58.411
SIKKIM	3.943	3.874	3.874	3.681
WEST BENGAL	0.000	0.000	0.000	0.000
UTTAR PRADESH	13.296	12.815	12.815	12.179
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	65.416	62.248	65.416	62.248
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3108.765**	**2974.699**	**2456.010**	**2334.137**

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	0.000	0.000	0.000	0.000
TO MADHYA PRADESH	-71.117	-72.419	-72.419	-76.204
TO MANIPUR	0.000	0.000	0.000	0.000
TO J&K	-215.655	-220.883	-220.883	-232.425
TO UTTAR PRADESH	-0.689	-0.718	-0.718	-0.754
TO TAMILNADU	-1.560	-1.583	-1.583	-1.664
TO ASSAM	0.000	0.000	0.000	0.000
TO MEGHALAYA	-3.549	-3.587	-3.587	-3.774
TO TRIPURA	0.000	0.000	0.000	0.000
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-268.905	-278.997	-278.997	-293.578
TO SIKKIM	-12.156	-12.218	-12.218	-12.856
TO POWER EXCHANGE (IEX)	-107.420	-113.146	-107.420	-113.146
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-17.113	-18.010	-17.113	-18.010
TO SHARE PROJECT (PUNJAB)	-17.113	-18.010	-17.113	-18.010
TOTAL	**-715.277**	**-739.570**	**-732.051**	**-770.420**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2393.487**	**2235.130**	**1723.959**	**1563.717**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		2081.829
NET CONSUMPTION		**2062.443**
AVAILABILITY WITHIN DELHI		523.443
ACTUAL DRAWAL FROM THE GRID		1539.000
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-24.717
LOAD SHEDDING		1.000
UNRESTRICTED DEMAND (GROSS)		2082.829
UNRESTRICTED DEMAND (NET)		2063.443
MAX. NET CONSUMPTION		72.199 ON 05.01.2018
MAX. LOAD SHEDDING		456MW ON 06.01.2018 AT 08.27HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4464MW AT 09.56.11HRS ON 05.01.2018	0 MW
EVENING PEAK	3624MW AT 18.00HRS ON 05.01.2018	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	21.62%
	PRAGATI	81.46%
	RITHALA	0.00%
	BAWANA	27.40%
	Timarpur Okhla	100.79%
	EDWPCL	17.90%
	DMSWL	46.80%

9 SHEDDING DETAILS DURING THE MONTH OF JANUARY 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.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000
06.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Jan.18	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.013	0.000	0.000
26.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.Jan.18	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Jan.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**	**0.036**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Jan.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.Jan.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.Jan.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.Jan.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.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
06.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
26.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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.Jan.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**	**0.036**	0.036

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	**MES**	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	**30**	31	32	33	34
01.Jan.18	0.000	0.001	0.170	0.000	0.000	0.000	0.000	0.000	0.000
02.Jan.18	0.000	0.000	0.007	0.000	0.000	0.000	0.074	0.000	0.000
03.Jan.18	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
04.Jan.18	0.000	0.000	0.002	0.000	0.000	0.010	0.000	0.000	0.000
05.Jan.18	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000
06.Jan.18	0.000	0.000	0.206	0.000	0.000	0.000	0.076	0.007	0.000
07.Jan.18	0.000	0.000	0.002	0.000	0.000	0.000	0.001	0.000	0.000
08.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000
09.Jan.18	0.000	0.008	0.000	0.000	0.000	0.003	0.000	0.000	0.000
10.Jan.18	0.005	0.000	0.024	0.000	0.000	0.002	0.008	0.002	0.000
11.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
12.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000
13.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jan.18	0.000	0.010	0.002	0.000	0.000	0.000	0.000	0.001	0.000
17.Jan.18	0.000	0.001	0.000	0.000	0.000	0.000	0.018	0.000	0.000
18.Jan.18	0.001	0.003	0.004	0.000	0.000	0.002	0.006	0.000	0.000
19.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000
20.Jan.18	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000
21.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jan.18	0.000	0.000	0.000	0.000	0.000	0.005	0.006	0.000	0.000
23.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.000	0.000
24.Jan.18	0.000	0.013	0.002	0.000	0.000	0.000	0.001	0.000	0.000
25.Jan.18	0.000	0.006	0.001	0.000	0.000	0.000	0.010	0.000	0.000
26.Jan.18	0.000	0.001	0.000	0.000	0.000	0.000	0.016	0.000	0.000
27.Jan.18	0.000	0.002	0.000	0.000	0.000	0.008	0.014	0.000	0.000
28.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
30.Jan.18	0.008	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000
31.Jan.18	0.000	0.046	0.000	0.000	0.000	0.000	0.009	0.001	0.000
TOTAL	**0.014**	**0.091**	**0.423**	**0.000**	**0.000**	**0.040**	**0.337**	**0.019**	**0.000**

ALL FIGURES IN MUs

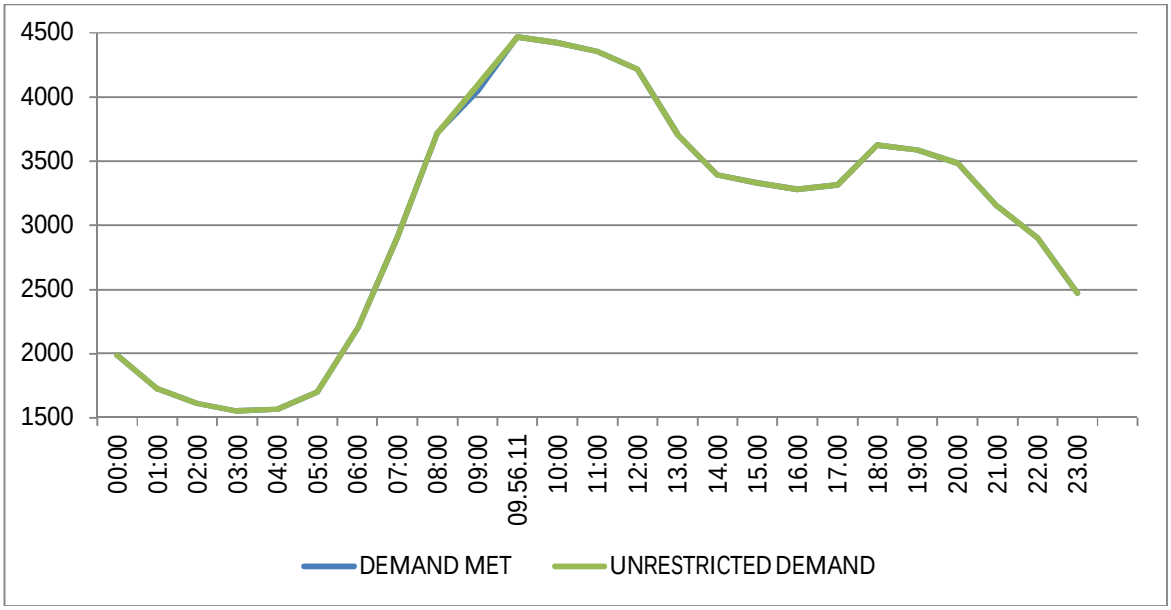
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Jan.18	0.000	0.008	0.003	0.000	0.000	0.000	0.000	0.182	0.182
02.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081	0.081
03.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
04.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.012
05.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.025
06.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.289	0.289
07.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
08.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
09.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
10.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.041
11.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
12.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.009
13.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.013
17.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.019
18.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
19.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
20.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
21.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.011
23.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	0.077
24.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
25.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.046	0.059
26.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.017
27.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.024
28.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
29.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
30.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.015
31.Jan.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.056
TOTAL	0.000	0.008	0.003	0.000	0.000	0.000	0.029	0.964	1.000

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Jan.18	64.082	4042	10:34:14	12	4054	4054	10:34:14	4042	12
02.Jan.18	64.375	4021	10:32:29	0	4021	4021	10:32:29	4021	0
03.Jan.18	67.302	4243	10:01:30	0	4243	4243	10:01:30	4243	0
04.Jan.18	70.564	4073	10:32:40	0	4073	4073	10:32:40	4073	0
05.Jan.18	72.199	4464	09:56:11	0	4464	4464	09:56:11	4464	0
06.Jan.18	66.837	4159	10:03:18	26	4185	4185	10:03:18	4159	26
07.Jan.18	65.592	4016	11:00	0	4016	4016	11:00	4016	0
08.Jan.18	68.931	4290	09:29:11	0	4290	4290	09:29:11	4290	0
09.Jan.18	69.748	4225	09:53:46	0	4225	4225	09:53:46	4225	0
10.Jan.18	69.574	4241	10:00:39	0	4241	4241	10:00:39	4241	0
11.Jan.18	69.142	4205	09:45:22	0	4205	4205	09:45:22	4205	0
12.Jan.18	70.503	4233	10:25:37	0	4233	4233	10:25:37	4233	0
13.Jan.18	64.929	3959	09:56:33	0	3959	3959	09:56:33	3959	0
14.Jan.18	60.073	3960	09:51:37	0	3960	3960	09:51:37	3960	0
15.Jan.18	64.884	3999	09:24:51	0	3999	3999	09:24:51	3999	0
16.Jan.18	68.808	3910	09:59	0	3910	3910	09:59	3910	0
17.Jan.18	68.314	4041	10:20	0	4041	4041	10:20	4041	0
18.Jan.18	67.573	3969	09:54:19	0	3969	3969	09:54:19	3969	0
19.Jan.18	65.681	3993	10:29	0	3993	3993	10:29	3993	0
20.Jan.18	65.273	3825	10:24:41	0	3825	3825	10:24:41	3825	0
21.Jan.18	62.219	3908	10:46:20	0	3908	3908	10:46:20	3908	0
22.Jan.18	65.321	4024	09:25:16	0	4024	4024	09:25:16	4024	0
23.Jan.18	65.696	3899	09:32:05	0	3899	3899	09:32:05	3899	0
24.Jan.18	69.577	4077	09:47	0	4077	4079	10:00	4044	35
25.Jan.18	69.719	4052	09:43:44	29	4081	4081	09:43:44	4052	29
26.Jan.18	58.515	3555	10:13:12	0	3555	3555	10:13:12	3555	0
27.Jan.18	63.060	3940	10:32	0	3940	3940	10:32	3940	0
28.Jan.18	64.144	4063	10:07:03	0	4063	4063	10:07:03	4063	0
29.Jan.18	65.297	4059	09:59:27	0	4059	4059	09:59:27	4059	0
30.Jan.18	67.206	3980	10:23:48	0	3980	3980	10:23:48	3980	0
31.Jan.18	67.305	4072	10:31:31	0	4072	4072	10:31:31	4072	0
TOTAL	2062.443	4464 **05.01.18**	09:56:11	0	4464 **05.01.18**	4464	09:56:11	4464	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2018 ON 05.01.18- 4464MW AT 09.56.11HRS.

All figures in MW

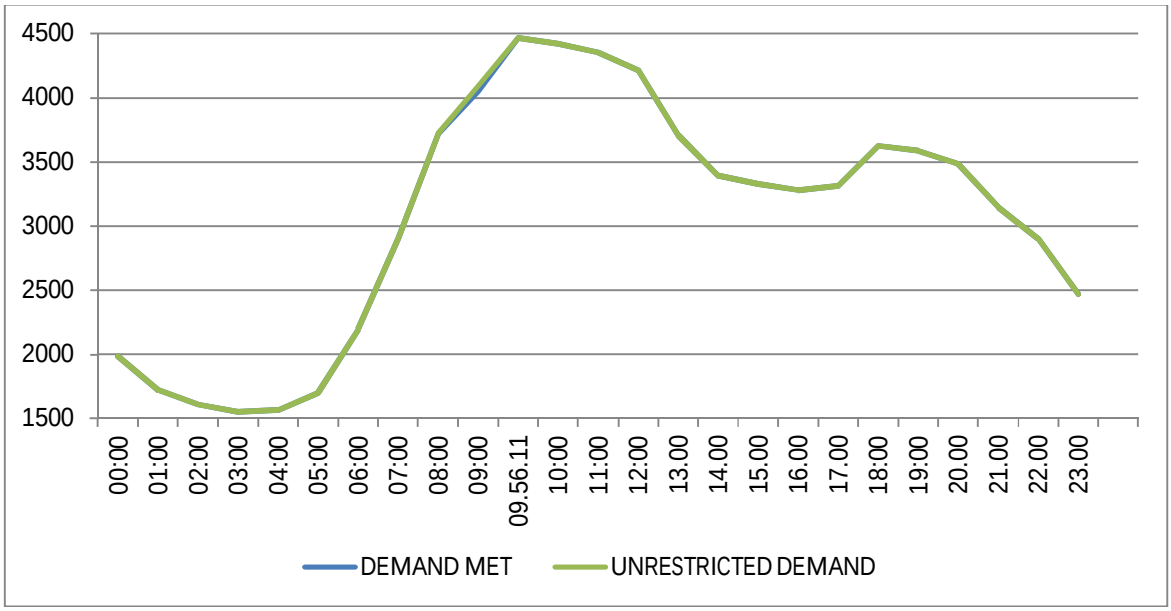
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	1986	0	1986
01:00	1723	0	1723
02:00	1610	0	1610
03:00	1551	0	1551
04:00	1565	0	1565
05:00	1702	0	1702
06:00	2190	0	2190
07:00	2900	0	2900
08:00	3720	0	3720
09:00	4045	47	4092
09.56.11	4464	0	4464
10:00	4421	0	4421
11:00	4354	0	4354
12:00	4210	0	4210
13.00	3706	0	3706
14.00	3391	0	3391
15.00	3328	0	3328
16.00	3280	0	3280
17.00	3315	0	3315
18:00	3624	0	3624
19:00	3586	0	3586
20.00	3482	0	3482
21.00	3142	0	3142
22.00	2901	0	2901
23.00	2468	0	2468
TOTAL	**72.199**	**0.025**	**72.224**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2018 ON 05.01.2018- 4464MW AT 09.56.11HRS.

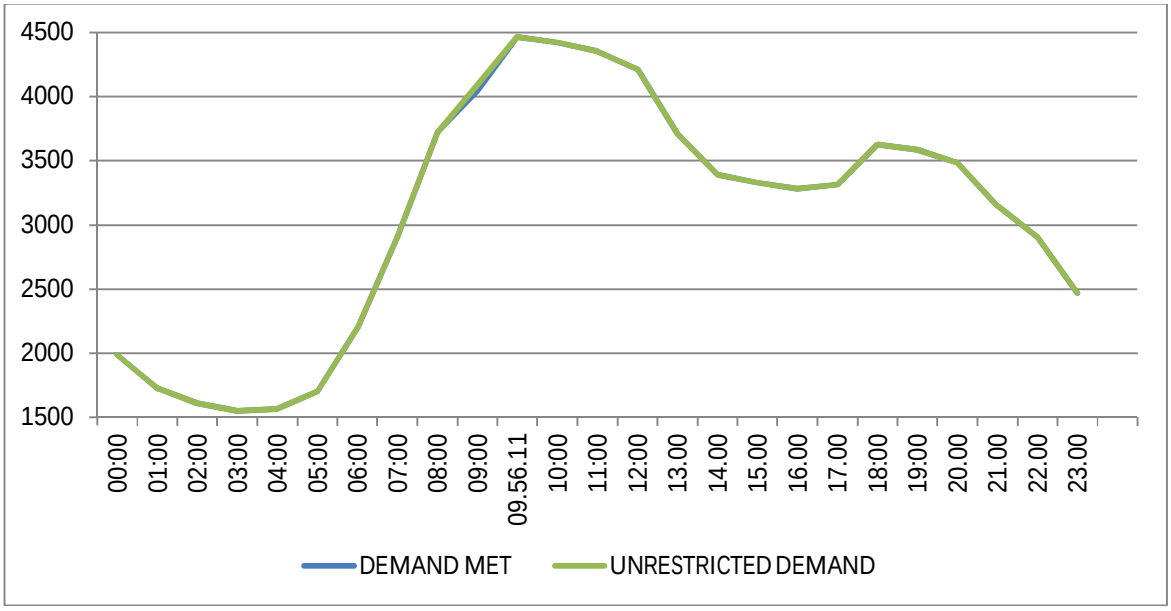
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	1986	0	1986
01:00	1723	0	1723
02:00	1610	0	1610
03:00	1551	0	1551
04:00	1565	0	1565
05:00	1702	0	1702
06:00	2190	0	2190
07:00	2900	0	2900
08:00	3720	0	3720
09:00	4045	47	4092
09.56.11	4464	0	4464
10:00	4421	0	4421
11:00	4354	0	4354
12:00	4210	0	4210
13.00	3706	0	3706
14.00	3391	0	3391
15.00	3328	0	3328
16.00	3280	0	3280
17.00	3315	0	3315
18:00	3624	0	3624
19:00	3586	0	3586
20.00	3482	0	3482
21.00	3142	0	3142
22.00	2901	0	2901
23.00	2468	0	2468
TOTAL	**72.199**	**0.025**	**72.224**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2018 – 05.01.2018 – 72.199Mus All figures in MW

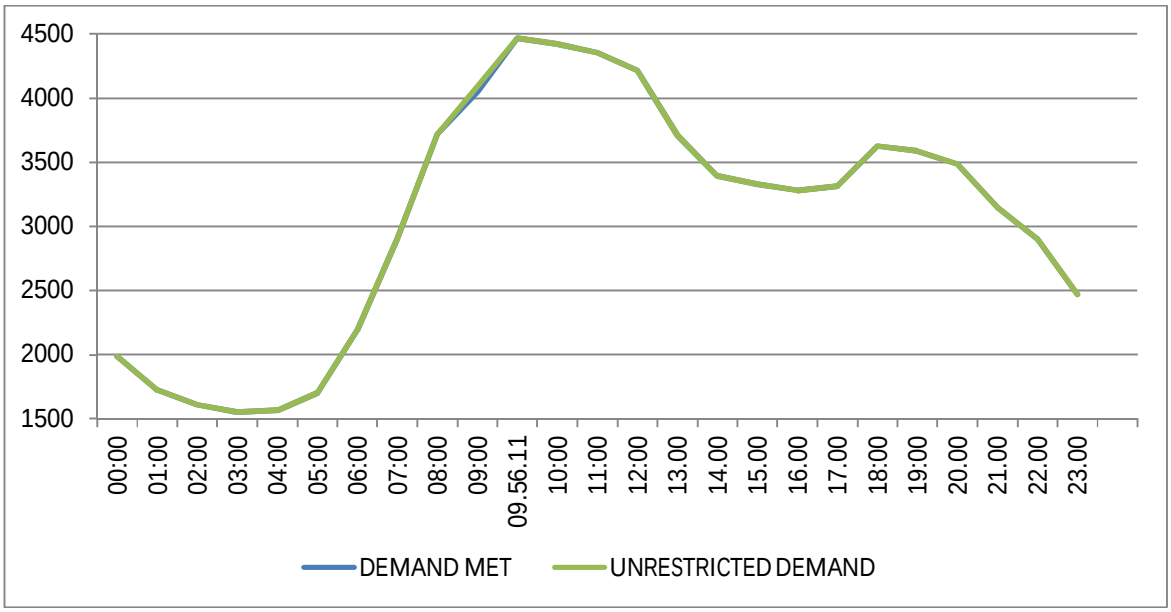
Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	1986	0	1986
01:00	1723	0	1723
02:00	1610	0	1610
03:00	1551	0	1551
04:00	1565	0	1565
05:00	1702	0	1702
06:00	2190	0	2190
07:00	2900	0	2900
08:00	3720	0	3720
09:00	4045	47	4092
09.56.11	4464	0	4464
10:00	4421	0	4421
11:00	4354	0	4354
12:00	4210	0	4210
13.00	3706	0	3706
14.00	3391	0	3391
15.00	3328	0	3328
16.00	3280	0	3280
17.00	3315	0	3315
18:00	3624	0	3624
19:00	3586	0	3586
20.00	3482	0	3482
21.00	3142	0	3142
22.00	2901	0	2901
23.00	2468	0	2468
TOTAL	**72.199**	**0.025**	**72.224**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2018 – 05.01.2018 – 72.224 Mus

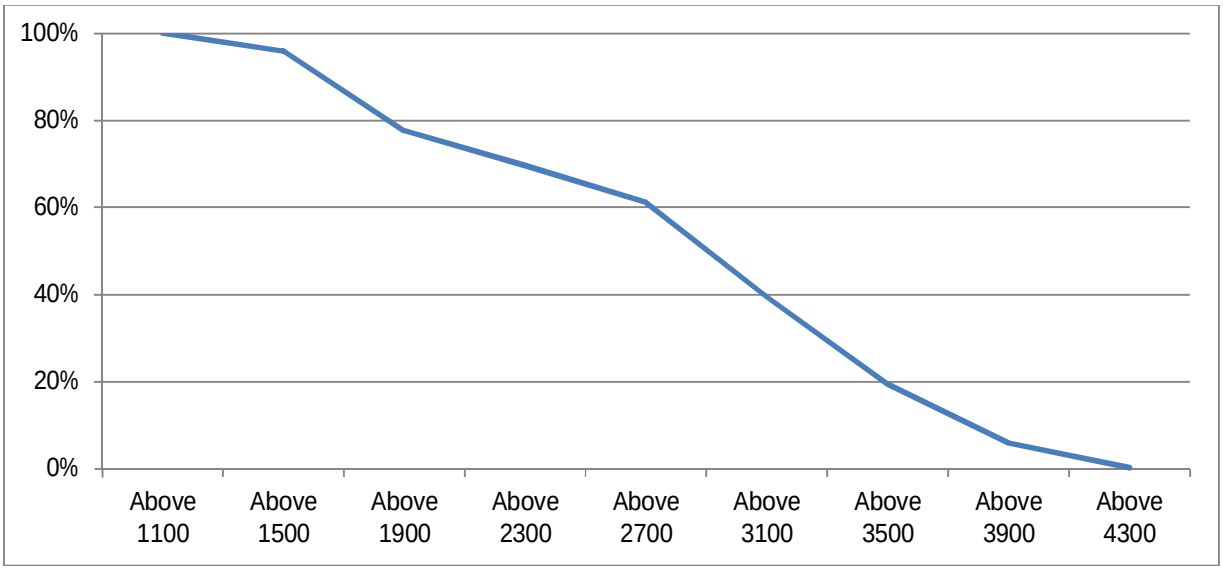
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
00:00	1986	0	1986
01:00	1723	0	1723
02:00	1610	0	1610
03:00	1551	0	1551
04:00	1565	0	1565
05:00	1702	0	1702
06:00	2190	0	2190
07:00	2900	0	2900
08:00	3720	0	3720
09:00	4045	47	4092
09.56.11	4464	0	4464
10:00	4421	0	4421
11:00	4354	0	4354
12:00	4210	0	4210
13.00	3706	0	3706
14.00	3391	0	3391
15.00	3328	0	3328
16.00	3280	0	3280
17.00	3315	0	3315
18:00	3624	0	3624
19:00	3586	0	3586
20.00	3482	0	3482
21.00	3142	0	3142
22.00	2901	0	2901
23.00	2468	0	2468
TOTAL	**72.199**	**0.025**	**72.224**



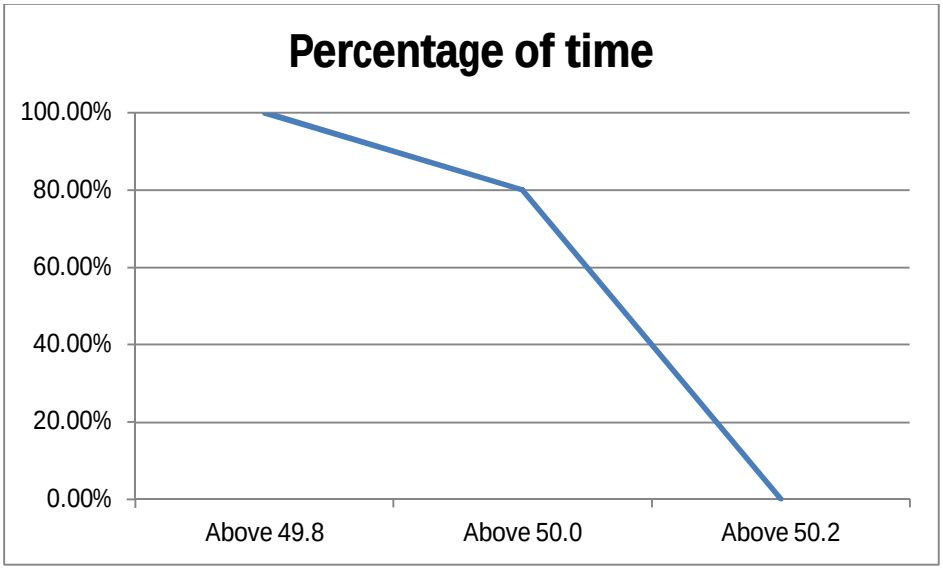
14 LOAD DURATION CURVE FOR JANUARY 2018

Load in MW	Percentage of Time
Above 1100	100%
Above 1500	95.93%
Above 1900	77.69%
Above 2300	69.62%
Above 2700	61.16%
Above 3100	39.48%
Above 3500	19.49%
Above 3900	5.95%
Above 4300	0.24%



15 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2018

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.0	81.52
Above 50.2	0.03



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Jan.18	240.91	0.00	241.81	230.72
02.Jan.18	241.43	224.92	241.04	226.72
03.Jan.18	239.49	223.11	242.2	227.24
04.Jan.18	239.49	223.37	241.68	227.63
05.Jan.18	241.55	0.00	242.33	227.63
06.Jan.18	237.56	226.21	240.78	229.17
07.Jan.18	236.27	226.34	241.55	231.88
08.Jan.18	237.30	224.40	241.68	227.5
09.Jan.18	238.85	222.21	239.88	227.37
10.Jan.18	234.98	219.76	239.88	227.5
11.Jan.18	234.33	219.76	241.17	227.88
12.Jan.18	235.23	217.05	241.81	227.37
13.Jan.18	234.98	222.34	240.26	227.37
14.Jan.18	235.62	223.37	241.17	231.11
15.Jan.18	231.88	222.21	241.55	227.24
16.Jan.18	234.46	218.98	240.52	227.63
17.Jan.18	234.72	186.61	240.91	225.69
18.Jan.18	235.75	219.63	241.17	228.27
19.Jan.18	237.94	222.47	241.68	226.85
20.Jan.18	238.97	224.92	242.07	228.14
21.Jan.18	239.10	225.05	241.81	230.21
22.Jan.18	239.10	222.85	240.26	226.85
23.Jan.18	238.97	225.95	240.78	227.88
24.Jan.18	239.49	224.14	241.55	230.21
25.Jan.18	239.62	224.40	240.52	228.14
26.Jan.18	239.23	228.14	242.07	230.59
27.Jan.18	240.26	225.95	244.39	227.37
28.Jan.18	239.49	226.21	241.81	229.3
29.Jan.18	237.94	224.14	242.07	227.88
30.Jan.18	237.56	223.63	241.81	228.01
31.Jan.18	235.11	219.11	242.46	228.27

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.18	422.55	04:01:29	399.10	09:46:10	412.78
02.Jan.18	420.90	04:01:32	399.80	10:14:33	411.41
03.Jan.18	423.95	04:03:05	402.61	10:35:06	412.77
04.Jan.18	423.25	04:01:08	400.97	12:12:59	412.37
05.Jan.18	425.36	04:02:31	400.97	09:28:01	412.15
06.Jan.18	422.78	04:01:13	402.85	08:57:04	412.41
07.Jan.18	422.78	04:00:36	407.30	09:33:57	414.58
08.Jan.18	423.25	04:02:20	402.61	11:09:10	412.20
09.Jan.18	418.09	04:01:02	397.92	07:10:12	409.67
10.Jan.18	419.50	02:58:15	399.80	10:23:25	409.80
11.Jan.18	420.67	04:01:28	398.63	10:37:08	410.14
12.Jan.18	420.67	04:00:52	399.10	10:18:51	409.89
13.Jan.18	419.26	04:00:53	399.10	10:13:24	410.75
14.Jan.18	420.43	13:03:58	406.13	06:55:17	413.78
15.Jan.18	415.04	20:00:14	406.60	11:54:43	412.92
16.Jan.18	419.73	04:02:55	400.50	06:40:35	411.09
17.Jan.18	421.37	04:01:48	398.63	07:24:48	410.73
18.Jan.18	421.37	04:00:31	400.50	06:16:21	410.98
19.Jan.18	415.74	21:45:17	400.27	11:44:38	410.79
20.Jan.18	422.55	04:00:58	400.50	09:53:48	411.30
21.Jan.18	421.84	04:01:21	403.32	06:45:01	413.52
22.Jan.18	421.61	04:00:24	396.75	06:49:05	410.65
23.Jan.18	421.37	04:02:07	399.80	06:30:07	413.33
24.Jan.18	420.90	01:24:09	402.85	06:23:30	411.50
25.Jan.18	422.78	04:01:12	400.74	06:41:43	412.13
26.Jan.18	422.78	13:15:06	401.44	06:52:36	414.87
27.Jan.18	425.36	04:00:48	400.74	10:09:09	412.59
28.Jan.18	421.61	01:43:43	402.61	10:08:22	414.95
29.Jan.18	423.01	04:01:24	397.22	07:09:14	411.99
30.Jan.18	422.78	04:01:27	398.16	06:56:17	411.74
31.Jan.18	422.08	04:00:40	400.27	18:44:42	410.69

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Jan.18	428.64	01:47:41	409.65	09:41:24	418.86
02.Jan.18	427.94	03:01:26	409.18	10:12:08	417.86
03.Jan.18	427.23	04:03:23	409.18	10:39:37	417.56
04.Jan.18	426.30	04:00:38	406.37	12:13:34	417.85
05.Jan.18	430.28	04:03:04	408.01	09:29:18	417.92
06.Jan.18	428.88	02:25:51	0.00	08:56:51	405.78
07.Jan.18	428.64	04:00:58	413.63	06:49:23	419.05
08.Jan.18	430.28	04:02:22	408.94	12:09:29	417.65
09.Jan.18	427.23	04:07:37	408.94	07:10:06	417.27
10.Jan.18	426.77	04:01:03	408.01	11:38:16	416.74
11.Jan.18	426.53	04:02:03	408.01	10:52:06	416.35
12.Jan.18	427.23	02:49:11	406.13	12:20:47	416.40
13.Jan.18	426.53	03:11:13	409.18	12:17:08	418.73
14.Jan.18	426.53	02:00:59	411.06	07:24:13	422.27
15.Jan.18	425.59	00:36:02	411.99	18:24:19	421.62
16.Jan.18	426.30	03:01:00	408.48	11:08:56	416.66
17.Jan.18	427.94	03:05:18	406.83	10:48:32	415.92
18.Jan.18	427.47	04:03:10	407.77	07:27:17	416.75
19.Jan.18	426.53	04:04:38	405.43	12:13:08	415.94
20.Jan.18	427.23	02:47:49	408.94	11:07:58	417.29
21.Jan.18	427.70	02:45:33	410.12	06:44:46	419.25
22.Jan.18	426.53	02:29:13	404.02	07:14:33	415.33
23.Jan.18	427.23	14:41:35	406.37	06:43:16	419.70
24.Jan.18	428.64	04:01:48	0.00	11:23:47	417.06
25.Jan.18	428.88	04:00:04	408.01	18:36:56	418.34
26.Jan.18	428.88	02:21:53	409.88	06:55:24	420.73
27.Jan.18	430.28	02:01:10	408.48	18:39:39	418.72
28.Jan.18	427.94	01:22:21	390.42	06:01:41	418.67
29.Jan.18	426.77	03:59:53	404.49	07:13:23	416.46
30.Jan.18	426.53	13:01:52	405.19	06:54:47	417.36
31.Jan.18	427.23	04:01:21	405.66	18:34:19	417.26

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 JANUARY 2018

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.1.18	00:18	SUBZI MANDI 220/33kV 100MVA Tx-I	1.1.18	17:45	186
2	1.1.18	02:25	220kV MEHRAULI - VASANT KUNJ CKT.-II	1.1.18	19:58	AT MEHRAULI : DIST PROT, ZONE-I, ACTIVE GROUP-I.
3	1.1.18	02:49	220kV NARELA - MANDOLA CKT-I	1.1.18	18:34	AT NARELA : DIST PROT, DIST 5.28KM, 186.
4	1.1.18	02:49	220kV NARELA - MANDOLA CKT-II	1.1.18	03:15	AT NARELA : DIFFERENTIAL, 86A, 86C.
5	1.1.18	05:08	220kV BAWANA-DSIIDC BAWANA CKT-I	1.1.18	10:02	AT DISDC BAWANA : DIST PROT, ZONE-I, DIST 1.43KM., 86, RYB PHASE AT BAWANA : DIFFERENTIAL, DIST PROT, DIST 4.88KM.
6	1.1.18	05:25	220kV PRAGATI - SARITA VIHAR CKT - I	1.1.18	12:02	AT PRAGATI : DIST PROT, ZONE-I, DIST 8.742KM, E/F. AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 4.451KM.
7	1.1.18	05:44	220kV BAWANA-DSIIDC BAWANA CKT-II	1.1.18	07:07	AT DSIDC BAWANA : DIST PROT, ZONE-I,DIST 1.176KM AT BAWANA : DIST PROT.
8	1.1.18	05:59	220kV NARELA - MANDOLA CKT-II	1.1.18	06:42	AT MANDOLA : CKT. TRIPPED.
9	1.1.18	06:52	WAZIRABAD 220/66kV 100MVA Tx-III	1.1.18	09:54	E/F.
10	1.1.18	06:53	220KV WAZIRABAD - MANDOLA CKT-IV	1.1.18	15:15	AT WAZIRABAD : DIST PROT, DIST 0.576KM.
11	1.1.18	07:17	DSIIDC Bawana 220/66kV 160MVA Tx-I	1.1.18	17:19	BUS-I TRIPPED ON BUS BAR PROT OPERATED, ZONE-I, Y PHASE, A&C PHASE.
12	1.1.18	07:20	DSIIDC Bawana 220/66kV 100MVA Tx-II	1.1.18	12:48	BUS-II TRIPPED ON BUS BAR PROT, OPERATED, ZONE-I, Y PHASE, A&C PHASE.
13	1.1.18	07:20	DSIIDC Bawana 220/66kV 100MVA Tx-III	1.1.18	12:48	BUS-II TRIPPED ON BUS BAR PROT, OPERATED, ZONE-I, Y PHASE, A&C PHASE.
14	1.1.18	07:45	220kV NARELA - MANDOLA CKT-II	1.1.18	08:58	AT NARELA : SUPPLY FAILED.
15	1.1.18	13:25	GAZIPUR 66/11kV, 20MVA Tx-II	1.1.18	16:52	TRIPPED ON 86, E/F.
16	2.1.18	02:53	220kV NARELA - MANDOLA CKT-II	2.1.18	08:32	AT NARELA : SUPPLY FAIL.
17	2.1.18	03:25	220kV GOPALPUR- MANDOLACKT-II	2.1.18	04:36	AT GOPALPUR : DIST PROT, ZONE-2&3, DIST 19.09KM, 86.
18	2.1.18	03:58	220 KV GOPALPUR-WAZIRABAD CKT-2	2.1.18	17:50	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 389MTS.
19	2.1.18	03:58	WAZIRABAD 220/66kV 100MVA Tx-III	2.1.18	10:23	TR. TRIPPED ON E/F, I/C TRIPPED ON 86.
20	2.1.18	03:59	SUBZI MANDI 220/33kV 100MVA Tx-II	2.1.18	16:36	E/F, 186.
21	2.1.18	03:59	220kV GOPALPUR- MANDOLACKT-II	2.1.18	04:45	AT GOPALPUR : CKT. TRIPPED.
22	2.1.18	04:09	220 KV GOPALPUR-WAZIRABAD CKT - 1	2.1.18	04:17	AT GOPALPUR : CVT AVAILABLE.
23	2.1.18	04:12	220KV WAZIRABAD - MANDOLA CKT-I	2.1.18	15:22	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 5.137KM.
24	2.1.18	04:48	220kV GOPALPUR- MANDOLACKT-I	2.1.18	07:44	AT GOPALPUR : DIST PROT, ZONE-I,I & III, DIST 15.43KM.
25	2.1.18	06:08	220KV WAZIRABAD - MANDOLA CKT-II	2.1.18	17:32	AT WAZIRABAD : DIST PROT ,ZONE-I, DIST 8.068KM.
26	2.1.18	06:42	220KV WAZIRABAD - MANDOLA CKT-IV	2.1.18	15:22	AT WAZIRABAD : DIST PROT, ZONE-I.
27	3.1.18	09:40	220kV BAWANA-DSIIDC BAWANA CKT-II	3.1.18	09:54	AT DSIDC BAWANA : TRIPPED WITHOUT INDICATION.
28	3.1.18	09:40	220kV BAWANA-DSIIDC BAWANA CKT-I	3.1.18	09:54	AT DSIDC BAWANA : TRIPPED WITHOUT INDICATION.
29	3.1.18	15:51	220kV DIAL- MEHRAULI CKT-II	3.1.18	16:19	AT DIAL : DIST PROT, RYB PHSE TRIP, GEN TRIP. AT MEHRAULI : GEN TRIP,
30	4.1.18	03:35	220KV WAZIRABAD - MANDOLA CKT-II	4.1.18	19:06	AT WAZIRABAD : DIST PROT ,DIST 15.13KM.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	4.1.18	03:45	220kV BAWANA - KANJHAWALA CKT-2	4.1.18	11:05	AT BAWANA :DIST PROT, ZONE-I, DIST 3.83KM.
32	4.1.18	05:16	220KV WAZIRABAD - MANDOLA CKT-IV	4.1.18	15:18	AT WAZIRABAD : B PHASE, DIFFERENTIAL TRIP, DIST PROT, DIST 5.437KM.
33	4.1.18	05:35	220kV MEHRAULI - BTPS CKT. - II	4.1.18	17:15	DIST PROT, ZONE-I, DIST 2.003KM. AT BTPS : DIST PROT, ZONE-II, DIST 17KM, E/F.
34	5.1.18	05:22	220kV NARELA - MANDOLA CKT-I	5.1.18	10:41	AT NARELA : DIST PROT, DIST 19.24KM.
35	5.1.18	05:22	220kV NARELA - MANDOLA CKT-II	5.1.18	14:46	AT NARELA : DIFFERENTIAL, R PHASE, AT MANDOLA : DIST PROT, DIST 19.26KM.
36	5.1.18	16:45	PAPPANKALAN-I 66/11kV, 20MVA Tx-III	5.1.18	22:37	E/F, 86.
37	5.1.18	18:10	SARITA VIHAR 220/66kV 100MVA Tx-I	5.1.18	18:40	86
38	6.1.18	08:27	220kV DSIIDC BAWANA-NARELA CKT-II	6.1.18	08:32	AT DSIDC NARELA : CKT. TRIPPED ON E/F.
39	6.1.18	08:28	220KV PEERAGARHI-WAZIRPUR CKT-I	6.1.18	09:20	AT PEERAGARHI : 86.
40	6.1.18	08:28	220KV PEERAGARHI-WAZIRPUR CKT-II	6.1.18	09:20	AT PEERAGARHI : 86.
41	7.1.18	03:22	BAWANA 400/220kV 315MVA ICT-V	7.1.18	04:16	220KV I/C TRIPPED ON 86A&B.
42	7.1.18	14:04	220kV ROHINI-SHALIMARBAGH CKT-I	7.1.18	15:13	AT ROHINI-I : DIFF TRIP, 86.
43	9.1.18	10:37	220kV OKHLA - BTPS CKT. - II	9.1.18	10:44	AT OKHLA : BUS BAR PROT.
44	10.1.18	06:35	220KV BAWANA-SHALIMARBAGH CKT-II	10.1.18	16:46	AT BAWANA : AUTO RECLOSE LOCK OUT.
45	10.1.18	06:35	220KV BAWANA-SHALIMARBAGH CKT-I	10.1.18	16:46	AT BAWANA : DIRECTIONAL O/C, MASTER TRIP RELAY OPERATED.
46	10.1.18	12:48	220 KV PATPARGANJ - I.P. CKT-I	10.1.18	12:52	AT I.P.STN. : TRIPPED ON 186, CVT AVAILABLE.
47	10.1.18	15:15	GEETA COLONY 220/33kV 100MVA Tx-I	11.1.18	17:50	TRIPPED ON 86.
48	11.1.18	12:20	SARITA VIHAR 220/66kV 100MVA Tx-II	11.1.18	17:55	86
49	14.1.18	09:20	INDRAPRASTHA POWER 33kV IG STADIUM CKT-II (BAY-33)	15.1.18	17:12	E/F.
50	15.1.18	18:45	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	15.1.18	20:00	86, E/F.
51	15.1.18	18:45	220 KV PATPARGANJ - I.P. CKT-I	15.1.18	20:00	AT I.P. : 186, ABC PHASE.
52	15.1.18	18:45	220kV PRAGATI - I.P.CKT - I	15.1.18	20:00	AT PRAGATI : 86, DIST PROT, ZONE-I, DIST 1.098KM. AT I.P. : CKT. DID NOT TRIP.
53	16.1.18	12:05	NARAINA 220/33kV 100MVA Tx-III	16.1.18	13:31	I/C TRIPPED ON 86.
54	17.1.18	05:58	220KV WAZIRABAD - MANDOLA CKT-III	17.1.18	08:05	AT WAZIRABAD : DIST PROT, DIST. 22.672KM, ZONE-III.
55	17.1.18	16:42	DIAL 220/66kV 160MVA Tx-II	17.1.18	16:45	WITHOUT INDICATION.
56	18.1.18	11:06	NARAINA 220/33kV 100MVA Tx-II	18.1.18	11:35	E/F.
57	23.1.18	15:01	220kV DIAL- MEHRAULI CKT-I	23.1.18	15:35	AT DIAL : TRIPPED ON LINE DIFFERENTIAL, MAIN I, RYB PHASE.
58	24.1.18	09:58	NARAINA 220/33kV 100MVA Tx-III	24.1.18	10:49	I/C TRIPPED ON 95 ABC I&II, LOW GAS PRESSURE.
59	25.1.18	02:20	220kV MUNDKA-KANJHAWALA CKT	25.1.18	22:38	AT KHANJAWALA : CKT. TRIPPED WITHOUT INDICATION.
60	26.1.18	08:08	220kV BAWANA-DSIIDC BAWANA CKT-I	26.1.18	13:10	AT DSIDC BAWANA : DIST PROT, ZONE-I, DIST 788.4MTS. AT BAWANA : E/F.
61	26.1.18	08:17	220kV WAZIRABAD - KASHMEREGATE CKT-II	26.1.18	10:18	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 3.597KM. AT KASHMIRI GATE : CKT. DID NOT TRIPPED.
62	26.1.18	13:20	OKHLA 220/33kV 100MVA Tx-IV	26.1.18	13:20	TR. TRIPPED ON 86.
63	26.1.18	13:20	OKHLA 220/33kV 100MVA Tx-III	26.1.18	18:24	TR. TRIPPED ON 86.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
64	26.1.18	13:20	OKHLA 220/33kV 100MVA Tx-III	26.1.18	13:52	TR. TRIPPED ON 86.
65	26.1.18	14:36	220kV MAHARANI BAGH - SARITA VIHAR CKT	26.1.18	17:10	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 6.824KM. AT MAHARANI BAGH : DIST PROT, ZONE-I, DIST 3.1KM.
66	27.1.18	04:02	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	27.1.18	12:19	AT TRAUMA CENTER : 86.
67	27.1.18	08:10	220kV MAHARANIBAGH-MASJID MOTH CKT-II	27.1.18	10:28	AT MAHARANI BAGH : 86.
68	28.1.18	01:42	220kV WAZIRABAD - KASHMEREGATE CKT-I	28.1.18	08:40	AT KASHMIRI GATE : TRIPPED ON 186.
69	28.1.18	01:42	220kV BAWANA-DSIIDC BAWANA CKT-I	28.1.18	15:45	AT BAWANA : DIST PRO, ZONE-I, DIST 5.293KM.
70	28.1.18	05:48	220KVBAWANA- ROHINI-2 CKT-II	28.1.18	10:51	AT ROHINI-II : DIST PROT, ZONE-I. AT BAWANA : DIST PROT, ZONE-I, DIST 149.6MTS, 86, E/F.
71	29.1.18	06:26	400kV Mandola-Bawana Ckt-I	29.1.18	07:34	AT BAWANA : DIST PROT, ZONE-I, DIST 194.5MTS.
72	29.1.18	07:46	220KVBAWANA- ROHINI-2 CKT-II	29.1.18	09:50	AT BAWANA : 186, DIST PROT ,ZONE-I, DIST 173.4MTS.
73	29.1.18	08:07	400kV Mandola-Bawana Ckt-I	29.1.18	16:26	AT BAWANA : DIST PROT, ZONE-I, DIST 157.4MTS.
74	30.1.18	12:02	220kV OKHLA - BTPS CKT.- I	30.1.18	12:10	AT OKHLA : TRIPPED WITHOUT INDICATION.
75	30.1.18	14:50	PATPARGANJ 220/33kV 100MVA Tx-IV	30.1.18	14:55	I/C TRIPPED ON E/F.
76	31.1.18	14:42	220kV MAHARANIBAGH-MASJID MOTH CKT-I	31.1.18	17:35	AT MASJID MOTH : DIST PROT, DIST 2.3KM.
77	30.1.18	14:50	PATPARGANJ 220/33kV 100MVA Tx-III	30.1.18	19:38	I/C TRIPPED ON E/F.

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

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