DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MAR - 2019

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR 2018	MAR 2019
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)**	**3766**	**4016**
	Date	27.03.18	01.03.2019
	Time	09.27.53	10.10.19
3	**Peak Demand met (MW)**	**3766**	**4016**
	Date	27.03.18	01.03.2019
	Time	09.27.53	10.10.19
4	Peak Availability (MW)	3683	3839
5	Shortage (-) / Surplus (+) in MW	(-) 83	(-) 177
6	Percentage Shortage (-) / Surplus (+)	(-) 2.20	(-) 4.41
7	Maximum Energy Consume in a day (Mus)	71.185	73.454
8	Energy Consumed during the month	**2052.029**	**1930.121**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.002
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	0.000	0.125
	BRPL	0.000	0.099
	BYPL	0.000	0.003
	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	**0.000**	**0.229**
B)	Due to Constraints in System in Mus		
	DTL	0.035	0.124
	NDPL	0.075	0.074
	BRPL	0.584	0.134
	BYPL	0.061	0.023
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.008
	Total	**0.755**	**0.364**
11	**Grand Total in Mus**	**0.755**	**0.593**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MAR 2019

A) For the month of Mar 2019

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	0.173	-0.173	0	0
2.	**GT**	31.356	1.524	29.832	90.67	147.367
3.	**PPCL**	1.308	0.440	0.868	64.87	154.136
4.	**BTPS**	0.000	0.552	-0.552	0	0
5.	**Rithala**	0.000	0.000	0.000	**0**	0
6.	**Bawana**	221.291	8.467	212.824	56.26	346.602
7.	**Towmcl**	10.443	1.560	8.883	--	--
8.	**EDWPCL**	5.095	0.975	4.120	--	--
9.	**DMSWL**	12.189	2.093	10.096	--	--
	TOTAL	**281.682**	**15.784**	**265.898**	--	648.105

B) For the Year 2018-19 (Upto Mar 2019)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar 2019	Availability (%) for Mar 2019	PLF (%) for Mar 2019	Cumulative Generation in MUs upto Mar 2019 for the year 2018-19	Cumulative Availability in % upto Mar 2019 for the year 2018-19	Cumulative PLF in % upto Mar 2019 for the year 2018-19
RPH	135	-0.173	0	0	-2.301	0	0
GT	270	29.832	90.67	15.35	577.246	82.13	25.21
PPCL	330	0.868	64.87	0.15	1480.248	89.27	52.68
BTPS	705	-0.552	0	0	1238.863	32.71	23.21
Rithala	108	0.000	**0**	0	0.370	**0**	0
Bawana	1372	212.824	56.26	21.41	3491.065	71.99	30.44
Towmcl	16	8.883	--	--	139.155	--	--
EDWPCL	--	4.120	--	--	29.307	--	--
DMSWL	--	10.096	--	--	111.343	--	--
TOTAL	2936	**265.898**	--	--	**7065.296**	--	--

03 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2018

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	1.4.18	00:00	4.4.18	06:44	Machine stopped as per SLDC message due to low demand on CCNG
		17.4.18	00:45	17.4.18	13:25	Machine tripped on Heavy jerk from the system and came on FSNL
		8.5.18	12:33	19.5.18	19:27	Machine stopped due to changeover to GT#5.and not started due to no demand from SLDC.
		23.5.18	08:24	23.5.18	15:02	Machine tripped on CRT got blank.
		26.5.18	12:23	27.5.18	19:25	Machine tripped on heavy jerk and there was a CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	19:47	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		2.6.18	09:20	4.6.18	19:37	Machine stopped as per SLDC as no schedule on CCNG
		30.6.18	08:14	30.6.18	08:35	Machine came on FSNL due to tripping of 160 MVA Transformer due to grid disturbance.
		3.7.18	21:07	4.7.18	23:12	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	15:50	5.7.18	17:30	Machine tripped on electrical fuse failure. Electrical trouble normal shutdown.
		29.7.18	00:04	30.7.18	11:12	Machine stopped as per SLDC message due to low demand on CCNG.
		30.7.18	20:10	24.09.18	20.00	Machine stopped due to heavy smoke below turbine.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	17.4.18	00:45	17.4.18	03:40	Machine tripped on Heavy jerk from the system and came on FSNL
		18.4.18	05:40	18.4.18	07:49	Machine tripped on Exhaust Temperature High
		13.5.18	19:45	13.5.18	20:20	Machine came on FSNL due to jerk in system.
		16.5.18	03:18	16.5.18	04:00	Machine tripped on lub oil temp high.
		26.5.18	08:05	27.5.18	19:25	Machine tripped on TAD High. Later machine cleared and contiuned on no load to attend leakage in CW line .PTW cancelled on 27.05.2018 at 19:25 hrs.
		27.5.18	19:25	29.5.18	21:17	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		2.6.18	09:15	4.6.18	11:35	Machine stopped as per SLDC as no schedule on CCNG
		26.6.18	23:23	27.6.18	00:10	Machine tripped on T communication link inoperative.
		27.6.18	12:46	27.6.18	18:00	Machine stopped to replace faulty transformer by C&I div.
		30.6.18	07:40	30.6.18	12:46	Machine stopped as per SLDC as no schedule on CCNG
		3.7.18	21:10	5.7.18	06:48	Machine stopped as per SLDC message due to low demand on CCNG.
		30.7.18	23:32	20.08.18	11.42	
		23.08.18	11.00	31.01.18	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	30	1.4.18	00:00	4.4.18	07:20	Machine stopped as per SLDC message due to low demand on CCSpot
		9.4.18	13:45	13.4.18	13:32	Machine stopped as per SLDC message due to low demand on CCSpot. Started for Testing Black Start
		13.4.18	14:40	15.4.18	17:05	Machine stopped as per SLDC message due to low demand on CCSpot. Started for Trial RUN
		15.4.18	17:10	16.4.18	02:18	Machine stopped as per SLDC message due to low demand on CCSpot
		24.4.18	11:00	27.4.18	18:50	Machine stopped as per SLDC message due to low demand on CCSpot
		29.4.18	00:03	12.05.18	00.20	Machine stopped as per SLDC message due to low demand on CCSpot
		13.5.18	19:45	13.5.18	21:04	Machine came on FSNL due to jerk in system.
		14.5.18	00:00	21.5.18	21:50	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		23.5.18	16:08	24.5.18	00:17	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	12:55	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		29.5.18	20:22	04.06.18	11.54	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		4.6.18	13:06	4.6.18	15:00	Machine tripped on Exhaust temp high and machine cleared at 15:00 hrs..
		4.6.18	15:00	20.6.18	12:45	Machen not started after clearance due to low schedule from SLDC.
		28.6.18	00:01	28.6.18	13:06	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	08:30	Machine came on FSNL due to tripping of 160 MVA Transformer due to grid disturbance.
		30.6.18	10:02	30.6.18	10:40	Machine tripped on Battery undervoltage
		30.6.18	13:30	30.6.18	23:59	Machine stopped as per the message of SLDC
		9.7.18	18:30	9.7.18	22:09	Machine stopped as per SLDC message due to low demand on CCNG.
		12.7.18	00:02	13.7.18	10:15	Machine stopped as per SLDC message due to low demand on CCNG.
		13.7.18	15:30	16.7.18	09:56	Machine stopped as per SLDC message due to low demand on CCNG.
		18.7.18	01:44	18.7.18	12:09	Machine stopped due to tripping of STG-II and due to non avaialiability of STG-II.vaialble
		18.7.18	14:17	20.7.18	09:40	Macine stopped as no demenad from SLDC/
		20.7.18	18:45	21.7.18	11:30	Machine stopped as per SLDC message due to low demand on CCNG.
		21.7.18	16:54	24.7.18	11:16	
		25.7.18	17:40	31.12.18	23:59	
		22.01.19	07.55	22.01.19	11.35	Class A relay operation
		21.02.19	20.03	21.02.19	21.35	Unit of base mode
		26.02.19	12.16	26.02.19	15.54	Loss of flame.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	30	1.4.18	00:00	4.4.18	10:05	Machine stopped as per SLDC message due to low demand on OCSpot
		6.4.18	07:40	6.4.18	16:31	Machine tripped on Electrical trouble normal shutdown
		6.4.18	17:15	15.4.18	07:34	Machine stopped as per SLDC message due to low demand on CCSpot
		15.4.18	23:29	19.4.18	13:04	Machine tripped on Communication failed with IO Pack. The machine not started due to low schedule from SLDC
		20.4.18	08:58	30.4.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot
		1.5.18	00:00	12.5.18	21:06	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		13.5.18	18:00	23.5.18	09:13	Machine could not be taken on bar due to no schedule from SLDC on CCNG
		23.5.18	11:50	24.5.18	12:47	Machine stopped as load could not be increased above 20 MW.
		24.5.18	12:47	26.5.18	08:44	Machine stopped as per SLDC message due to low demand
		26.5.18	12:23	26.5.18	14:25	Machine tripped due to jerk in system and later taken to attend leakage in CW line..
		26.5.18	16:32	27.5.18	19:25	Machine stopped to attend CW line leakage.
		27.5.18	19:25	28.5.18	12:18	Machine started after attend of CW line leakage
		28.5.18	14:51	29.5.18	12:21	Machine stopped as no schedule from SLDC .
		29.5.18	19:52	4.6.18	14.50	Machine stopped as no schedule from SLDC .
		4.6.18	20:10	20.6.18	22:06	Machine stopped as per SLDC as no schedule on CCNG
		28.6.18	00:03	28.6.18	13:01	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	08:46	Machine came on FSNL due to grid disturbance.
		30.6.18	16:15	09.07.18	13.20	Machine stopped as per SLDC as no schedule on CCNG
		9.7.18	18:20	9.7.18	21:52	Machine stopped as per SLDC message due to low demand on CCNG.
		10.7.18	02:13	10.7.18	13:40	Machine stopped as per SLDC message due to low demand on CCNG.
		12.7.18	00:02	12.7.18	13:55	Machine stopped as per SLDC message due to low demand on CCNG.
		14.7.18	04:36	14.7.18	07:29	Machine tripped on control trip and overtemperature trip alarm on CRT
		05.10.18	16.40	05.10.18	17.31	Unit tripped on Electrical trouble normal shutdown.
		27.02.19	17.10	27.02.19	18.35	Loss of flame.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	30	1.4.18	00:00	29.4.18	10:01	Machine stopped as per SLDC message due to low demand on CCSpot
		29.4.18	13:45	29.4.18	18:10	Trial run
		29.4.18	22:14	9.5.18	12:19	Machine stopped as per SLDC message due to low demand on CCSpot
		12.5.18	17:25	13.5.18	13:03	Machine tripped on overspeed bolt trip alarm appeared.
		13.5.18	18:00	23.5.18	10:40	Machine stopped as per SLDC message due to low demand
		23.5.18	23:08	25.5.18	16:03	Machine tripped on Exhaust overtemperature.
		26.5.18	12:23	26.5.18	16:35	Machine tripped on heavy jerk and there was a CW line leakage.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.
		27.5.18	19:25	28.5.18	13:33	Machine started after CW line leakage attended.
		2.6.18	12:25	2.6.18	20:30	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.Machine made available at 20:30 hrs.
		2.6.18	20:30	4.6.18	09:16	Machine stopped as per SLDC as no schedule on CCNG
		10.6.18	08:02	11.6.18	10:50	Machine stopped as per SLDC as no schedule on CCNG
		17.6.18	11:00	1.7.18	22:30	Machine stopped as per SLDC as no schedule on CCNG
		2.7.18	03:32	3.7.18	21:04	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	02:30	9.7.18	22:49	Machine stopped as per SLDC message due to low demand on CCNG.Machine started in open cycle mode as per the system.
		10.7.18	02:13	10.7.18	10:15	Machine stopped as per SLDC message due to low demand on CCNG.
		12.7.18	14:01	18.7.18	12:58	Machine stopped as per SLDC message due to low demand on CCNG.
		20.7.18	17:45	20.7.18	17:57	Machine desynchronized and put on FSNL due to passing of trailer.
		21.7.18	00:02	25.7.18	16:33	Machine stopped as per SLDC message due to low demand on CCNG.
		26.7.18	10:15	30.7.18	20:30	Machine stopped as per SLDC message due to low demand on CCNG.
		28.08.18	16.19	28.08.18	20.07	Machine tripped on " Electrical trouble normal shutdown" and 52 H fuse failure alarm appeared.
		05.09.18	12.39	05.09.18	13.57	Machine tripped due to false alarm of condensate level high.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	1.4.18	00:00	23.05.18	18.13	Machine under Major Inspection and out of DC
		23.5.18	18:30	24.5.18	15:14	Machine tripped on Generator journal bearing drain oil temp High and lub oil header temp alos high.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	11:21	Machine started after CW line leakage attended.
		30.5.18	11:20	30.5.18	12:42	Machine tripped on Exhaust temperature high.
		2.6.18	12:30	2.6.18	18:10	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.
		10.6.18	08:03	10.6.18	20:05	Machine stopped to attend problem in Governing system of STG. The machine made available at 20.05 hrs. and not taken on load due to low schedule from SLDC.
		10.6.18	20:05	11.6.18	10:58	Machine not started as per SLDC as no schedule on CCNG
		17.6.18	11:00	20.6.18	13:46	Machine stopped as per SLDC as no schedule on CCNG
		20.6.18	19:00	1.7.18	20:55	Machine stopped as per SLDC as no schedule on CCNG
		2.7.18	03:23	3.7.18	20:56	Machine stopped as per SLDC message due to low demand on CCNG.
		5.7.18	18:05	5.7.18	19:35	Machine tripped on communication IO Pack failure. Machine started upto FSNL and cleared at 19:35 hrs.
		5.7.18	19:35	8.7.18	22:57	Machine not taken on load due to no schedule from SLDC and later started on open cycle mode as per system demand..
		13.7.18	16:00	18.7.18	01:35	Machine stopped as per SLDC message due to low demand on CCNG.
		20.7.18	17:45	20.7.18	17:56	Machine desynchronized and put on FSNL due to passing of trailer.
		21.7.18	00:02	23.7.18	10:44	Machine stopped as per SLDC message due to low demand on CCNG.
		26.7.18	10:15	30.7.18	13:08	Machine stopped as per SLDC message due to low demand on CCNG.
		22.10.18	18.04	24.10.18	18.15	Unit tripped due to Y & B phase to phase fault.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	30	17.4.18	00:45	17.4.18	15:14	Machine tripped on Heavy jerk from the system
		26.4.18	16:52	26.4.18	18:44	Machine tripped due to tripping of 2 MVA Transformer-1
		1.5.18	00:28	1.5.18	02:16	Machine tripped due to tripping of 2 MVA Transformer.
		8.5.18	12:34	8.5.18	13:25	Tripped while slashing HRSG-1
		8.5.18	14:56	8.5.18	15:54	Tripped on class -A relay operated.
		13.5.18	19:45	13.5.18	21:41	Machine tripped due to jerk in system.
		16.5.18	03:02	16.5.18	04:52	Machine tripped due to jerk in system
		16.5.18	12:34	16.5.18	13:21	Machine tripped on Turbine speed very high I,e malfunctioning of output card of turbine.
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	30.5.18	01:16	Machine could not be taken on bar due to no schedule from SLDC
		2.6.18	09:23	4.6.18	13:44	Machine stopped as per SLDC as no schedule
		26.6.18	23:30	27.6.18	00:40	Machine tripped on Exhaust temp high
		30.6.18	07:34	30.6.18	18:40	Machine tripped on Heavy jerk in the system and delay in synchronizing due to vibration problem in front and rear bearing AND EJECTOR FLANGE DAMAGED IN JERK..
		3.7.18	16:40	4.7.18	21:15	Machine tripped on Heavy jerk due to system and due to jerk in system there was leakage in Ejectir flange. And machen was made ready on 04.07.2018 at 20:34 hrs..
		4.7.18	21:15	5.7.18	02:05	Machine was not started due to low demand from SLDC..
		28.7.18	13:36	28.7.18	17:50	Machine tripped due to jerk in the system and leading to outage of 160 MVA Transformer 1 & 2 both.
		30.7.18	23:32	20.08.18	15.40	Machine was not started due to low demand from SLDC..
		20.08.18	16.05	20.08.18	22.45	Unit tripped on high viberation in bearing.
		23.08.18	11.00	31.08.18	23.59	Machine stopped as per SLDC message due to low demand
		07.10.18	03.10	07.10.18	05.30	Unit tripped due to all running parameters shown in blue band.
		18.01.19	12.46	18.01.19	19.58	High vibration in bearing.
		21.01.19	11.20	22.01.19	23.59	Vaccume low
		01.03.19	01.44	01.03.19	06.19	Gas Atrip relay
		20.03.19	14.35	20.03.19	19.02	Sudden CEP A-1 trip.
		23.03.19	11.34	23.03.19	16.45	Attend leakage in CW Line.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -2	30	1.4.18	00:00	4.4.18	14:08	Machine stopped as per SLDC message due to low demand on CCSpot
		7.4.18	11:35	7.4.18	12:08	Machine tripped suddenly on control valve closing
		9.4.18	13:45	15.4.18	09:43	Machine stopped as per SLDC message due to low demand on CCSpot
		17.4.18	01:20	17.4.18	04:58	Machine tripped on all the parameters showing on blue band .
		18.4.18	08:01	18.4.18	08:35	Machine tripped on Turbine channel 1&2 operated alarm appeared.
		18.4.18	10:48	18.4.18	11:38	Machine tripped on hunting started of parameters on BCD.
		24.4.18	11:00	24.4.18	12:15	Machine stopped to attend oil leakage from servo motor line
		24.4.18	12:15	27.4.18	21:00	Machine cleared but not started due to no schedule from SLDC
		29.4.18	00:03	30.4.18	23:59	Machine stopped as per SLDC message due to low demand on CCSpot
		17.4.18	01:20	17.4.18	03:58	Machine tripped on all the parameters showing on blue band .
		1.5.18	00:00	12.5.18	03:58	Machine could not be taken on bar due to no schedule from SLDC
		13.5.18	19:45	13.5.18	20:30	Machine tripped on jerk in system.But later was not started due to low schedule from SLDC
		13.5.18	20:30	21.5.18	23:49	Machine could not be taken on bar due to no schedule from SLDC
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	29.5.18	14:33	Machine could not be taken on bar due to no schedule from SLDC
		29.5.18	18:40	04.06.18	16.08	Machine stopped to attend water leakage from inlet line of Generator cooler.
		4.6.18	20:13	20.6.18	15:30	Machine stopped as per SLDC as no schedule
		28.6.18	00:03	28.6.18	15:40	Machine stopped as per the message of SLDC
		30.6.18	08:14	30.6.18	13:30	Machine tripped due to tripping of 160 MVA transformer as there was disturbance in the grid.
		30.6.18	13:30	12.07.18	16.30	Machine could not be taken on bar due to Axial shift and taken out of DC.
		14.7.18	04:36	16.7.18	14:30	Machine tripped due to tripping of GT-4 and later not started due to no schedule from SLDC.
		17.7.18	00:55	17.7.18	01:38	Machine tripped on Class A trip alarm, Reverse power trip alarm, Power relay and protection SSVT fuse fail.
		17.7.18	18:06	17.7.18	21:35	Machine tripped on Ch-I & CH-II and class A relay trip alarm appeared on CRT.
		17.7.18	21:49	21.7.18	16:20	Machine again tripped on CH-I & CH-II and Gen RJB and FJB Vibration very high and not started due to no demand..
		25.7.18	17:40	31.12.18	23:59	Machine stopped as per SLDC message due to low demand on CCNG.
		25.01.19	18.35	25.01.19	21.08	Generator reserve Power relay inserted in system.
		21.03.19	11.34	23.03.19	16.45	Attend leakage in CW Line.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -3	30	1.4.18	00:00	08.05.18	14.18	Machine under O/H
		8.5.18	14:28	8.5.18	15:52	Tripped on class -A relay operated.
		11.5.18	15:54	12.5.18	13:50	Machine tripped on calibration of woodward governor.Is under maintenance and STG-II taken on 12.05.2018 at 13:50 made avaialble.
		12.5.18	13:50	23.5.18	13:30	Machine could not be taken on bar due to no schedule from SLDC
		23.5.18	23:08	24.5.18	19:23	Machine tripped on tripping of GT-5 & 6
		26.5.18	16:35	27.5.18	19:25	Machine stopped to attend CW line leakage.The PTW cancelled on 27.05.2018 at 19:25.
		27.5.18	19:25	28.5.18	14:18	Machine started after attend CW line leakage.
		28.5.18	17:46	28.5.18	18:13	Machine tripped on low vacuum.
		1.6.18	08:15	1.6.18	11:06	Machine stopped to attend oil leakage in governor system.
		2.6.18	12:32	2.6.18	19:48	Machine stopped to attend hotspot in HV bushing of STG-III Transformer.
		9.6.18	11:30	9.6.18	12:50	Machine stopped to attend problem in Governing system of STG.
		10.6.18	03:52	10.6.18	04:24	Machine stopped to attend problem in Governing system of STG.
		10.6.18	08:03	10.6.18	20:05	Machine again stopped to attend problem in Governing system of STG. The machine made available on 10.06.2018 at 20:05 hrs but not taken on load due to low schedule from SLDC
		10.6.18	20:05	11.6.18	13:00	Machine not started due to low schedule from SLDC
		16.6.18	12:25	16.6.18	16:15	Machine tripped on FJB vibration very high.
		17.6.18	11:00	20.6.18	17:45	Machine stopped as per SLDC as no schedule
		20.6.18	17:45	24.6.18	16:45	Machine was out of DC due to problem in MOP and taken in DC on 24.06.2018 at 16:45 hrs. The machine not taken on load due to low schedule from SLDC.
		24.6.18	16:45	30.6.18	12:17	Machine after being taken in DC not taken on load due to no schedule from SLDC
		30.6.18	12:17	30.6.18	20:00	Machine not available due to problem in MOP.
		30.6.18	20:00	30.6.18	23:59	Machine not taken on bar due to low schedule from SLDC.
		1.7.18	22:56	3.7.18	22:00	STG-III out of DC due to unavailiability of MOP but made avaialble on 03.07.2018 at 22:00 hrs.
		4.7.18	21:52	9.7.18	09:39	Machine out of DC due to oil leakage from MOP and made available by C&I on 09.07.2018 at 09:39 hrs..
		9.7.18	09:39	9.7.18	11:32	Mahcine after made avaialble started on 9/7/2018 at 11:32 hrs.
		10.7.18	16:20	10.7.18	17:36	Machine tripped while increasing load feom 11.5 MW to 19.5 MW.
		13.7.18	16:00	18.7.18	03:44	Machine was not started due to low demand from SLDC..
		20.7.18	00:00	20.7.18	19:51	Machine desynchronized.
		21.7.18	00:02	23.7.18	12:40	Machine was not started due to low demand from SLDC..
		26.7.18	10:15	30.7.18	15:40	Machine stopped as per SLDC message due to low demand on CCNG.
		30.7.18	17:36	30.7.18	19:18	Machine tripped on 99 GT, 32G-2B relay operated.
		28.08.18	16.39	28.08.18	21.25	Machine tripped on Bearing vibration high.
		29.08.18	17.25	29.08.18	18.16	Machine tripped on GE Protection Main fuse failure and AVR VT fuse failure alarm on backup desk.
		05.09.18	12.39	05.09.18	15.02	STG stopped as fire observed near front gland during costing down.
		22.10.18	18.04	22.10.18	20.40	Unit tripped due to tripping of GT # 6 as half module was runing.
		22.11.18	08.27	22.11.18	10.20	STG tripped due totripping of both 160 MVA transformers. Both 160 MVA transformers tripped due to grid disturbance.
		22.01.19	07.55	22.01.19	11.35	Tripped on class A relay
		23.01.19	10.55	23.01.19	12.00	
		24.01.19	13.07	24.01.19	13.52	Tripped with 160MVA tr.
		20.02.19	10.23	20.02.19	11.55	Glass Atrip relay.
		20.02.19	15.40	28.02.19	23.59	VT Fuse fail
		23.03.19	11.30	23.03.19	17.47	Attend leakage in CW Line.
		29.03.19	14.13	29.03.19	15.39	Class A trip relay operated.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.18	00.00	17.04.18	16.49	Stopped for HGPI
		03.05.18	12.46	04.05.18	15.07	Stopped due to low demand.
		04.05.18	16.10	11.05.18	14.16	Stopped due to low demand.
		13.05.18	19.50	13.05.18	20.14	Tripped due to grid disturbance
		16.05.18	03.01	16.05.18	04.49	
		26.05.18	12.24	26.05.18	13.22	
		26.05.18	13.56	26.05.18	14.42	
		30.06.18	08.17	30.06.18	12.57	
		28.07.18	00.10	03.08.18	12.30	Stopped due to low demand.
		06.08.18	12.31	13.08.18	17.20	
		02.09.18	16.00	21.09.18	08.32	
		06.10.18	00.00	10.12.18	07.02	
		23.12.18	09.20	23.12.18	10.46	Internal fault
		04.01.19	12.51	04.01.19	21.30	
		04.01.19	21.30	05.01.19	10.50	Stopped due to low demand.
		24.01.19	13.06	24.01.19	13.53	Tripped due to grid disturbance
		04.02.19	01.45	19.02.19	09.24	Stopped due to low demand.
		19.02.19	14.32	20.02.19	10.19	
		21.02.19	00.00	31.03.19	23.59	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	104	17.04.18	18.47	18.04.18	12.45	Tripped on internal fault.
		18.04.18	12.45	19.04.18	06.24	Stopped due to low demand.
		03.05.18	07.19	03.05.18	09.07	Tripped due to grid disturbance
		26.05.18	13.56	26.05.18	14.38	
		30.06.18	08.17	30.06.18	09.35	
		12.07.18	17.16	12.07.18	18.20	
		29.07.18	15.50	29.07.18	17.29	Tripped on internal fault.
		13.08.18	18.51	13.08.18	21.15	Unit stopped for checking of diverter dumper seal
		13.08.18	21.15	16.08.18	14.30	Stopped due to low demand.
		16.08.18	14.30	30.08.18	18.45	Unit stopped due to repairing of diverter dumper.
		30.08.18	18.45	04.09.18	12.13	Stopped due to low demand.
		21.09.18	14.00	21.09.18	18.30	GT#2 swapped by GT#1 to attend AVR problem by BHEL
		21.09.18	18.30	04.10.18	15.41	Stopped due to low demand.
		05.10.18	11.43	05.10.18	12.20	Tripped on internal fault.
		22.11.18	08.29	22.11.18	09.34	Tripped due to grid disturbance
		26.11.18	12.41	26.11.18	13.30	Tripped on internal fault.
		10.12.18	09.53	10.12.18	19.15	Air filter replacement
		10.12.18	19.15	19.12.18	05.47	
		19.12.18	12.58	20.12.18	05.40	Stopped due to low demand.
		20.12.18	22.42	04.01.19	10.03	
		05.01.19	12.33	12.01.19	12.45	
		12.01.19	12.45	12.01.19	14.00	Repair work
		12.01.19	14.00	21.01.19	05.20	Stopped due to low demand.
		21.01.19	06.18	21.01.19	07.53	Tripped on internal fault.
		21.01.19	08.40	23.01.19	02.00	
		23.01.19	02.00	23.01.19	09.40	Stopped due to low demand.
		23.01.19	23.13	25.01.19	12.00	
		26.01.19	09.52	02.02.19	14.12	
		21.02.19	00.00	29.03.19	19.37	
		30.03.19	12.28	31.03.19	14.04	

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	20.04.18	15.01	20.04.18	16.43	Tripped on internal fault.
		03.05.18	07.19	03.05.18	09.00	Tripped due to grid disturbance
		03.05.18	09.00	03.05.18	10.48	Internal problem
		03.05.18	16.51	03.05.18	17.50	Tripped on internal fault.
		26.05.18	13.56	26.05.18	15.39	Tripped due to grid disturbance
		26.05.18	17.59	26.05.18	19.41	
		03.06.18	07.23	03.06.18	12.16	
		30.06.18	08.17	30.06.18	11.50	
		12.07.18	17.16	12.07.18	18.27	
		15.07.18	04.29	15.07.18	08.34	Tripped on internal fault.
		24.07.18	12.37	24.07.18	13.39	
		29.07.18	15.50	29.07.18	18.42	Unit tripped as unit -2 tripped.
		14.08.18	19.30	14.08.18	22.45	Tripped due to grid disturbance
		16.08.18	15.32	23.08.18	09.59	GCB oil leakage.
		29.08.18	08.05	29.08.18	09.10	Tripped on internal fault.
		29.08.18	14.01	29.08.18	16.28	
		02.09.18	16.03	04.09.18	17.09	Stopped due to low demand.
		06.09.18	04.14	06.09.18	05.40	Tripped on internal fault.
		27.09.18	09.15	27.09.18	10.39	
		27.09.18	17.15	27.09.18	18.08	
		22.11.18	08.29	22.11.18	13.18	Tripped due to grid disturbance
		26.11.18	12.41	26.11.18	14.34	Tripped on internal fault.
		23.12.18	09.20	23.12.18	11.40	Stopped due to G.T. -2 tripped.
		15.02.19	04.32	15.02.19	05.40	Tripped due to grid disturbance
		21.02.19	00.00	28.02.19	23.59	Stopped for MI
		15.02.19	04.32	15.02.19	05.40	Tripped due to grid disturbance
		21.02.19	00.00	28.02.19	23.59	Stopped for MI

(D) BADARPUR THERMAL POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	95	01.04.18	00.00	31.08.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	95	01.04.18	00.00	31.08.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	95	01.04.18	00.00	31.08.18	00.00	Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	210	01.04.18	00.00	01.05.18	11.33	Not in operation due to not meeting pollution norms
		03.05.18	13.29	13.05.18	00.42	Reserve shutdown
		30.07.18	20.30	31.07.18	10.30	Coal shortage
		31.07.18	10.30	01.08.18	05.29	Reserve shutdown
		07.08.18	11.06	08.08.18	15.17	Boiler tube leakage
		09.08.18	01.08	09.08.18	17.54	ID Fan bearing temp high.
		16.10.18		30.11.18		Not in operation due to not meeting pollution norms

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
5	210	01.04.18	00.00	09.04.18	07.54	Not in operation due to not meeting pollution norms
		16.10.18		30.11.18		Not in operation due to not meeting pollution norms

(E) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	21.04.18	0.00	23.04.18	07.00	shut down for Filter Replacement so half of STG #1 was not available.
		16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lube oil header pressure, STG tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.
		25.09.18	01.32	25.09.18	14.00	Generator Trip
		05.11.18	04.55	09.11.18	11.05	High DP unit unloaded
		03.01.19	19.50	03.01.19	21.48	Tripped on high spread.
		21.01.19	04.21	21.01.19	16.16	Tripped on high DP
		02.02.19	06.30	06.02.19	17.00	High inlet air filter DP
		15.02.19	21.30	16.02.19	14.10	
		20.02.19	03.35	21.02.19	09.10	
		25.02.19	01.54	25.02.19	13.45	
		28.02.19	06.05	28.02.19	15.15	
		02.03.19	05.45	02.03.19	10.00	
		19.03.19	05.35	20.03.19	11.04	
		20.03.19	22.24	20.03.19	23.58	
		28.03.19	04.04	31.03.19	23.00	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement and problem in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lu;be oil header pressure, STG also tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.
		05.11.18	03.45	05.11.18	11.31	High filter DP
		09.11.18	11.10	11.11.18	00.00	Unit taken out of DC for filter cleaning
		20.12.18	23.02	21.12.18	00.28	Loss of flame.
		21.12.18	23.47	22.12.18	08.50	Machine unloaded on high DP
		22.12.18	19.28	23.12.18	08.00	
		22.01.19	02.33	22.01.19	06.00	
		27.01.19	07.27	27.01.19	10.44	
		30.01.19	07.55	30.01.19	09.33	
		31.01.19	07.38	31.01.19	10.33	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	01.02.19	00.03	01.02.19	10.30	High inlet air filter DP
		02.02.19	06.30	06.02.19	13.06	
		16.02.19	14.15	20.02.19	03.10	
		20.02.19	05.05	23.02.19	08.30	
		25.02.19	05.40	25.02.19	10.02	
		26.02.19	23.40	27.02.19	12.15	
		28.02.19	00.00	28.02.19	09.42	
		01.03.19	06.09	01.03.19	11.05	
		02.03.19	11.03	02.03.19	23.59	
		18.03.19	15.14	18.03.19	16.54	Tripped on signal interfrance
		25.03.19	02.53	26.03.19	10.00	High inlet air filter DP
		29.03.19	06.38	31.03.19	22.38	LCI Problem.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	02.04.18	06.49	02.04.18	11.58	Field breaker and Excitation Trip generated due to Regulation Supply fuse failure. Circuit checked, Power fuse changed and machine synchornised to further test the system.
		02.04.18	12.12	02.04.18	13.34	Again machine tripped on same fault. Fuse Barrier circuit replaced due to malfunctioning of micro switch contact.
		02.04.18	19.37	02.04.18	21.09	Field breaker and Excitation Trip generated due to Regulation Supply fuse failure. The circuit of PLC and fuse barrier checked and digital I/O card which generates this signal changed,machine synchronised.
		02.04.18	21.50	02.04.18	22.27	During HRSG paralleling STG tripped on Low Main steam temperature as HP Bypass#1 was not following reference properly, and loads on GTs were high for smooth paralleling.
		02.05.18	21.32	02.05.18	22.21	The cold gas temp control valve was fully open under full-module operation with cold gas temp around 43 deg. As GT #2 was stopped in accordance with the system demand, the load on STG #1 reduced to around 95 MW lowering the cold gas temp. With residual activities of isolation of HRSG #2 in progress, command was given to reduce the opening of temp-control-valve. The valve is designed for inching operation. However, the valve closed completely shutting of cooling water supply resulting in high cold-gas temp and leading to protection-trip on the same
		20.05.18	07.35	20.05.18	15.42	STG#1 Stopped due to Common Thermal Overload alarm appeared around 07:35 hrs. Intermittent flashover & smoke observed at Transformer cooling fan supply control -panel at site . All running cooling fans tripped & temperature indication at ECP disappeared. STG#1 Stopped/Tripped manually under the circumtances & panel supply made off.
		16.06.18	08.02	16.06.18	23.59	Unit taken out of DC for solenoid change
		28.06.18	00.50	30.06.18	23.59	DP was running very high so unit taken out of DC for filter replacement.
		15.07.18	09.10	15.07.18	21.45	Filter replacement and problem in compressor bleed (CBV) valve operation attended
		21.07.18	00.00	23.07.18	17.00	Problem in purge valve resolved by replacement of solenoid and compressor washing done during this outage.
		27.07.18	00.00	30.07.18	19.30	PHE Cleaning
		17.08.18	13.40	17.08.18	22.00	Unit tripped due to low lu;be oil header pressure, STG also tripped manually.
		28.08.18	05.08	28.08.18	18.45	Unit tripped due to rotor earth fault.
		29.08.18	15.29	29.08.18	16.35	Unit tripped due to generator electrical protection alarm.
		14.09.18	17.08	14.09.18	01.57	Bus bar protection.
		05.11.18	03.45	05.11.18	11.31	High filter DP
		09.11.18	11.10	11.11.18	00.00	Unit taken out of DC for filter cleaning
		14.11.18	12.00	15.11.18	12.00	Oil leakage in bearing.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1	254	20.12.18	23.06	21.12.18	03.18	Loss of flame.
		21.12.18	23.47	22.12.18	08.50	Machine unloaded on high DP
		22.12.18	19.28	23.12.18	08.00	
		03.01.19	19.50	03.01.19	23.48	Machine tripped on high spread
		08.01.19	23.15	09.01.19	06.05	Electrical protection.
		21.01.19	04.21	21.01.19	16.16	Machine unloaded on high DP
		22.01.19	02.33	22.01.19	06.00	
		27.01.19	07.27	27.01.19	10.44	
		30.01.19	07.55	30.01.19	09.33	
		31.01.19	07.38	31.01.19	10.33	
		01.02.19	00.03	01.02.19	10.30	High inlet air filter DP
		02.02.19	06.30	06.02.19	13.06	
		02.02.19	06.30	06.02.19	17.00	
		06.02.19	13.06	06.02.19	15.00	
		15.02.19	21.30	16.02.19	14.10	
		16.02.19	14.15	20.02.19	03.10	
		20.02.19	03.35	21.02.19	09.10	
		20.02.19	05.05	23.02.19	08.30	
		25.02.19	01.54	25.02.19	13.45	
		25.02.19	05.40	25.02.19	10.02	
		26.02.19	23.40	27.02.19	12.15	
		28.02.19	00.00	28.02.19	09.42	
		28.02.19	06.05	28.02.19	15.15	
		01.03.19	06.09	01.03.19	11.05	
		02.03.19	05.45	02.03.19	10.00	
		02.03.19	11.03	02.03.19	23.59	
		18.03.19	15.14	18.03.19	16.54	Tripped on signal interfrance
		19.03.19	05.35	20.03.19	11.04	High inlet air filter DP
		20.03.19	22.24	20.03.19	23.58	
		25.03.19	02.53	26.03.19	10.00	
		28.03.19	04.04	31.03.19	23.00	
		29.03.19	06.38	31.03.19	22.38	LCI Problem.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	216	17.04.18	00.00	30.04.18	23.59	Minor overhauling of Generator and Upgradation of GT#3 and BHM installation.
		29.06.18	00.00	29.06.18	02.00	Desynch due to problem in GCS (BMS not firing).
		14.07.18	10.00	14.07.18	14.00	Normalization of 6.6kV System Mod#2
		17.11.18	21.02	18.11.18	06.00	Filter cleaning
		19.11.18	20.14	19.11.18	23.14	Loss of flame
		15.12.18	20.59	16.12.18	00.00	Pre filter cleaning.
		04.01.19	00.12	04.01.19	14.57	Blow out occurred
		18.01.19	07.30	18.01.19	14.23	HIGH DP
		01.02.19	21.25	03.02.19	13.58	High inlet air filter DP
		03.02.19	17.15	03.02.19	19.21	Low gas pressure.
		04.02.19	02.38	06.02.19	17.00	High inlet air filter DP
		12.02.19	07.58	12.02.19	12.04	
		15.02.19	21.35	23.02.19	14.15	
		04.03.19	07.43	05.03.19	10.00	
		29.03.19	18.35	30.03.19	22.00	LIC Problem.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
4	216	01.04.18	00.00	16.04.18	18.00	Machine taken out of DC for Planned maintenance.(Combustion inspection)
		22.05.18	15.33	22.05.18	16.15	GT#4 came on FSNL at 15:33 hrs. due to AVR fault and subsequesnt tripping of GCB. Unit was test synch at 16:20 hrs. but due to poor gas pipeline hydraulics GT#4 taken out of DC wef 16:15 hrs..
		22.05.18	16.15	24.05.18	12.30	Due to poor gas pipeline hydraulics GT#4 taken out of DC wef 16:15 hrs..
		24.05.18	21.46	25.05.18	23.59	GT#4 came on FSNL due to AVR fault and subsequesnt tripping of GCB. Unit was test synch at 22:33 hrs.and stopped at 22:44 hrs due to SLDC backdown.
		14.07.18	10.00	14.07.18	14.00	Normalization of 6.6kV System Mod#2
		03.10.18	12.20	03.10.18	13.50	Low lube oil pressure
		03.10.18	17.36	03.10.18	19.44	
		23.10.18	19.06	23.10.18	20.24	Rotor earth fault
		03.11.18	00.00	06.11.18	09.00	Filter replacement.
		07.12.18	21.00	08.12.18	05.29	Pre filter cleaning.
		18.12.18	23.10	19.12.18	09.40	High dp
		19.12.18	22.57	20.12.18	16.00	
		23.12.18	15.00	23.12.18	23.59	Boroscopic inspection
		05.01.19	06.18	05.01.19	11.30	High DP
		11.01.19	00.54	11.01.19	10.26	
		18.01.19	08.30	18.01.19	12.15	Taken out of DC
		21.01.19	13.30	21.01.19	14.10	AVR Fault
		23.01.19	08.35	24.01.19	23.59	High inlet air filter DP
		02.02.19	19.43	06.02.19	17.00	
		15.02.19	16.18	23.02.19	14.15	
		29.03.19	18.35	31.03.19	23.59	LCI Problem.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-2	254	01.04.18	00.00	30.04.18	23.59	STG#2 tripped on Bucholz relay operated. Transformer is under revival.
		01.10.18	14.32	01.10.18	15.05	Condenser vacuum very low
		03.10.18	12.20	03.10.18	13.50	Low lube oil pressure
		03.10.18	17.36	03.10.18	19.44	
		23.10.18	19.06	23.10.18	20.24	Rotor earth fault
		03.11.18	00.00	06.11.18	09.00	Filter replacement.
		17.11.18	21.02	18.11.18	06.00	Filter cleaning
		19.11.18	20.14	19.11.18	23.14	Loss of flame
		07.12.18	21.00	08.12.18	05.29	Pre filter cleaning.
		15.12.18	20.59	16.12.18	00.00	
		18.12.18	23.10	19.12.18	09.40	High dp
		19.12.18	22.57	20.12.18	16.00	
		23.12.18	15.00	23.12.18	23.59	Boroscopic inspection
		04.01.19	00.12	04.01.19	14.57	Blow out occurred
		05.01.19	06.18	05.01.19	11.30	High dp
		11.01.19	00.54	11.01.19	10.26	
		18.01.19	07.30	18.01.19	14.23	
		18.01.19	08.30	18.01.19	12.15	Taken out of DC
		21.01.19	13.30	21.01.19	14.10	AVR Fault
		23.01.19	08.35	24.01.19	23.59	High DP
		01.02.19	21.25	03.02.19	13.58	High inlet air filter DP
		02.02.19	19.43	06.02.19	17.00	
		03.02.19	17.15	03.02.19	19.21	Low gas pressure.
		04.02.19	02.38	06.02.19	17.00	High inlet air filter DP
		12.02.19	07.58	12.02.19	12.04	
		15.02.19	16.18	23.02.19	14.15	
		15.02.19	21.35	23.02.19	14.15	
		21.02.19	11.00	28.02.19	23.59	Condenser cleaning.
		04.03.19	07.43	05.03.19	10.00	High inlet air filter DP

(F) RITHALA POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	31.8	19.03.13	17:32	31.03.19	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	31.8	07.06.13	22:41	31.03.19	23.59	Stopped due to low demand and high frequency

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	31.8	07.06.13	22:38	31.03.19	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 MAR 2019

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	Bawana	Townmcl	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.10.19	0	112	-2	24	11	7	15	0	167	3849	3672	177	4016	0	4016
2	10.48.23	0	42	-2	57	9	8	17	0	131	3613	3491	122	3744	0	3744
3	10.33.14	0	40	-2	201	10	-1	13	0	261	3580	3473	107	3841	0	3841
4	09.42.11	0	69	-2	-8	9	4	14	0	86	3900	3768	132	3986	0	3986
5	10.03.19	0	38	-2	201	0	9	12	0	258	3477	3454	23	3735	0	3735
6	10.08.44	0	36	-2	222	9	-1	17	0	281	3554	3524	30	3835	0	3835
7	09.55.48	0	35	-2	225	9	0	14	0	281	3380	3355	25	3661	0	3661
8	10.00.34	0	36	-2	248	9	-1	17	0	307	3532	3346	186	3839	0	3839
9	10.11.45	0	36	-2	240	12	-1	16	0	301	3197	3172	25	3498	0	3498
10	10.33.40	0	36	-2	222	13	5	17	0	291	3207	3188	19	3498	0	3498
11	10.15.40	0	34	-2	227	12	8	17	0	296	3268	3212	56	3564	0	3564
12	11.06.04	0	39	-2	266	11	9	8	0	331	3148	3149	-1	3479	0	3479
13	10.02.00	0	38	-1	258	12	7	5	0	319	3265	3249	16	3584	0	3584
14	10.47.01	0	39	-1	283	12	2	2	0	337	3293	3238	55	3630	0	3630
15	10.02.51	0	39	-1	382	12	4	5	0	441	3335	3415	-80	3776	0	3776
16	10.30.00	0	39	-2	461	12	6	8	0	524	2937	2913	24	3461	0	3461
17	10.11.05	0	39	-1	464	13	5	6	0	526	2893	2777	116	3419	6	3425
18	09.41.58	0	40	-1	1066	11	8	6	0	1130	2420	2269	151	3550	0	3550
19	10.12.09	0	39	-1	789	11	5	15	0	858	2647	2671	-24	3505	0	3505
20	10.12.00	0	40	-1	490	13	1	14	0	557	2970	2865	105	3527	0	3527
21	19.17.15	0	40	-1	230	13	8	15	0	305	2051	1992	59	2356	0	2356
22	10.25.00	0	40	-1	403	12	6	18	0	478	2617	2701	-84	3095	0	3095
23	10.35.34	0	68	-1	437	13	9	14	0	540	2602	2444	158	3142	0	3142
24	10.23.18	0	40	-1	401	12	9	7	0	468	2684	2580	104	3152	0	3152
25	10.37.31	0	40	-1	288	11	8	15	0	361	3000	3037	-37	3361	0	3361
26	10.16.17	0	41	-3	211	17	9	17	0	292	3110	3007	103	3402	0	3402
27	09.43.49	0	41	-3	432	17	10	18	0	515	3001	2885	116	3516	0	3516
28	10.29.45	0	40	-4	244	17	9	17	0	323	3189	2197	992	3512	0	3512
29	11.30.47	0	37	-4	-5	14	6	10	0	58	3691	3495	196	3749	0	3749
30	10.48.00	0	37	28	-5	18	10	17	0	105	3541	3337	204	3646	0	3646
31	19.46.14	0	39	23	-5	19	-2	15	0	89	3241	3196	45	3330	0	3330

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MAR 2019

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	Bawana	Townmcl	East Delhi	DMS WL	BTPS	Total						
(1)	(2)	(3)	(4)	(5)	(7)	(8)				(9)= (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.10.19	0	112	-2	24	11	7	15	0	167	3849	3672	177	4016	0	4016
2	10.48.23	0	42	-2	57	9	8	17	0	131	3613	3491	122	3744	0	3744
3	10.33.14	0	40	-2	201	10	-1	13	0	261	3580	3473	107	3841	0	3841
4	09.42.11	0	69	-2	-8	9	4	14	0	86	3900	3768	132	3986	0	3986
5	10.03.19	0	38	-2	201	0	9	12	0	258	3477	3454	23	3735	0	3735
6	10.08.44	0	36	-2	222	9	-1	17	0	281	3554	3524	30	3835	0	3835
7	09.55.48	0	35	-2	225	9	0	14	0	281	3380	3355	25	3661	0	3661
8	10.00.34	0	36	-2	248	9	-1	17	0	307	3532	3346	186	3839	0	3839
9	10.11.45	0	36	-2	240	12	-1	16	0	301	3197	3172	25	3498	0	3498
10	10.33.40	0	36	-2	222	13	5	17	0	291	3207	3188	19	3498	0	3498
11	10.15.40	0	34	-2	227	12	8	17	0	296	3268	3212	56	3564	0	3564
12	11.06.04	0	39	-2	266	11	9	8	0	331	3148	3149	-1	3479	0	3479
13	10.02.00	0	38	-1	258	12	7	5	0	319	3265	3249	16	3584	0	3584
14	10.47.01	0	39	-1	283	12	2	2	0	337	3293	3238	55	3630	0	3630
15	10.02.51	0	39	-1	382	12	4	5	0	441	3335	3415	-80	3776	0	3776
16	10.30.00	0	39	-2	461	12	6	8	0	524	2937	2913	24	3461	0	3461
17	10.11.05	0	39	-1	464	13	5	6	0	526	2893	2777	116	3419	6	3425
18	09.41.58	0	40	-1	1066	11	8	6	0	1130	2420	2269	151	3550	0	3550
19	10.12.09	0	39	-1	789	11	5	15	0	858	2647	2671	-24	3505	0	3505
20	10.12.00	0	40	-1	490	13	1	14	0	557	2970	2865	105	3527	0	3527
21	19.17.15	0	40	-1	230	13	8	15	0	305	2051	1992	59	2356	0	2356
22	10.25.00	0	40	-1	403	12	6	18	0	478	2617	2701	-84	3095	0	3095
23	10.35.34	0	68	-1	437	13	9	14	0	540	2602	2444	158	3142	0	3142
24	10.23.18	0	40	-1	401	12	9	7	0	468	2684	2580	104	3152	0	3152
25	10.37.31	0	40	-1	288	11	8	15	0	361	3000	3037	-37	3361	0	3361
26	10.16.17	0	41	-3	211	17	9	17	0	292	3110	3007	103	3402	0	3402
27	09.43.49	0	41	-3	432	17	10	18	0	515	3001	2885	116	3516	0	3516
28	10.29.45	0	40	-4	244	17	9	17	0	323	3189	2197	992	3512	0	3512
29	11.30.47	0	37	-4	-5	14	6	10	0	58	3691	3495	196	3749	0	3749
30	10.48.00	0	37	28	-5	18	10	17	0	105	3541	3337	204	3646	0	3646
31	19.46.14	0	39	23	-5	19	-2	15	0	89	3241	3196	45	3330	0	3330

8 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MAR 2019

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

A (i) RPH	0.000
(ii) GT+STG	31.356
(iii) PRAGATI	1.308
(iv) RITHALA	0.000
(v) BAWANA CCGT	221.291
(vi) Timarpur – Okhla	10.443
EDWPCL	5.095
DMSWL	12.189
TOTAL	281.682
B) AVAILABILITY FROM BTPS	-0.552
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	15.232
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**265.898**

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	0.000	0.000	0.000	0.000
SALAL	24.881	24.496	24.881	24.496
SASAN	301.770	295.621	301.713	295.566
TANKAPUR	1.961	1.921	1.961	1.921
CHAMERA	15.400	15.201	15.400	15.201
CHAMERA -II	10.485	10.321	10.485	10.321
CHAMERA -III	6.065	5.984	6.065	5.984
DHAULIGANGA	5.083	4.980	5.083	4.980
SEWA -2	11.617	11.441	11.617	11.441
URI	38.736	37.966	38.736	37.966
URI-II	24.161	23.801	24.161	23.801
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.412	10.179	10.412	10.179
PARBATI3	0.000	0.000	0.000	0.000
RAMPUR	0.000	0.000	0.000	0.000
MUNDRA_UMPP	0.000	0.000	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	31.916	30.878	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	26.065	25.740	19.675	19.431
DADRI (RLNG)	36.789	36.328	0.536	0.528
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	52.344	51.173	0.000	0.000
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	101.908	98.612	98.646	95.455
SINGRAULI_HYDRO	0.474	0.458	0.474	0.458
RIHAND -I	68.524	66.308	67.265	65.088
RIHAND -II	80.437	77.830	77.818	75.299
RIHAND -III	91.906	88.936	87.287	84.460
UNCHAHAR-I	16.237	15.954	12.699	12.476
UNCHAHAR-II	31.096	30.553	24.078	23.656
UNCHAHAR-III	17.000	16.714	13.068	12.848
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	480.140	474.062	289.544	285.963
DADRI (TH) STAGE-II	255.069	251.900	199.785	197.289
NAPP	29.345	28.684	29.345	28.684
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	31.072	30.091	31.072	30.091
NATHPA JHAKRI	20.110	19.756	20.110	19.756

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
DULASTI	13.800	13.591	13.800	13.591
TEHRI	16.085	15.725	16.085	15.725
JHAJJAR	488.033	481.966	191.550	189.132
KHELGAON	29.405	28.972	24.911	24.545
KHELGAON-II	105.963	104.407	94.579	93.190
FARAKA	15.137	14.952	12.241	12.092
TALA	1.066	1.048	1.066	1.048
TALCHER	0.000	0.000	0.000	0.000
DVC	158.250	157.308	157.308	156.313
TUTICORIN - BRPL	7.156	7.094	7.094	7.051
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	4.627	4.615	4.615	4.586
MAHARASHTRA	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.250	0.249	0.249	0.247
METHON POWER(NDPL)LT-06	186.462	185.346	185.346	184.189
DVC MEJIA (LT-08)(BYPL)	75.629	75.174	75.174	74.706
URS	1.581	1.571	1.581	1.571
JAMMU & KASHMIR	0.670	0.664	0.664	0.660
HIMACHAL PRADESH	9.396	9.269	9.269	9.212
DB POWER	0.198	0.195	0.195	0.194
ASSAM	0.121	0.120	0.120	0.119
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	0.999	0.985	0.985	0.979
HARYANA (LT-05)	51.282	50.961	50.961	50.643
GUJRAT	0.282	0.280	0.280	0.279
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.320	5.262	5.262	5.229
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	4.106	3.998	3.998	3.973
RAJASTHAN(SOLAR) BYPL - LT-35	4.070	3.963	3.963	3.938
RAJASTHAN(SOLAR) TPDDL LT-31	4.033	3.927	3.927	3.902
TO GOA	-6.121	-6.209	-6.209	-6.239
TO ANDHRA	-73.663	-74.500	-74.500	-74.861
TO UTTAR PRADESH	-0.112	-0.115	-0.115	-0.115
TO WEST BENGAL	-0.474	-0.478	-0.478	-0.480
TO CHATTISHGARH	-44.544	-45.299	-45.299	-45.528
TO J&K	-73.482	-74.506	-74.506	-74.867
TO MANIPUR	-27.311	-27.579	-27.579	-27.713
TO TAMILNAIDU	-0.079	-0.080	-0.080	-0.081
TO UTTRAKHAND	-18.704	-19.208	-19.208	-19.301
TO MAHARASHTRA	-12.340	-12.552	-12.552	-12.611
TO MEGHALAYA	-5.183	-5.273	-5.273	-5.297
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-187.689	-192.686	-192.686	-193.593
TO GUJRAT	-2.675	-2.716	-2.716	-2.718
POWER EXCHANGE(IEX)	69.224	68.801	69.224	68.801
TO POWER EXCHANGE (IEX)	-137.365	-138.005	-137.365	-138.005
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-16.319	-16.378	-16.319	-16.378
TO SHARE PROJECT (PUNJAB)	-13.661	-13.709	-13.661	-13.709
TOTAL	**2454.425**	**2397.038**	**1727.816**	**1687.755**

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	1289.905	1265.448	890.875	872.951
NTPC - ER	150.506	148.331	131.731	129.826
NHPC	152.188	149.703	152.188	149.703
NPC	60.417	58.775	60.417	58.775
SASAN	301.770	295.621	301.713	295.566
KOTESHWAR	10.412	10.179	10.412	10.179
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	20.110	19.756	20.110	19.756
TEHRI	16.085	15.725	16.085	15.725
TALA	1.066	1.048	1.066	1.048
JHAJJAR	488.033	481.966	191.550	189.132
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	4.106	3.998	3.998	3.973
RAJASTHAN SOLAR(BYPL)T-35	4.070	3.963	3.963	3.938
RAJASTHAN SOLAR(TPDDL)T-31	4.033	3.927	3.927	3.902
DVC	158.250	157.308	157.308	156.313
TUTICORIN BRPL	7.156	7.094	7.094	7.051
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	4.627	4.615	4.615	4.586
MAHARASHTRA	0.000	0.000	0.000	0.000
KARNATAKA	0.000	0.000	0.000	0.000
MADHYA PRADESH	0.250	0.249	0.249	0.247
METHON POWER (NDPL)-LT-06	186.462	185.346	185.346	184.189
DVC MEJIA (LT-08)(BYPL)	75.629	75.174	75.174	74.706
URS	1.581	1.571	1.581	1.571
JAMMU & KASHMIR	0.670	0.664	0.664	0.660
HIMACHAL PRADESH	9.396	9.269	9.269	9.212
DB POWER	0.198	0.195	0.195	0.194
ASSAM	0.121	0.120	0.120	0.119
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	0.999	0.985	0.985	0.979
HARYANA (LT -05)	51.282	50.961	50.961	50.643
GUJRAT	0.282	0.280	0.280	0.279
WEST BENGAL	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.320	5.262	5.262	5.229
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	69.224	68.801	69.224	68.801
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**3074.147**	**3026.332**	**2356.362**	**2319.251**

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 GOA	-6.121	-6.209	-6.209	-6.239
TO ANDHRA	-73.663	-74.500	-74.500	-74.861
TO UTTAR PRADESH	-0.112	-0.115	-0.115	-0.115
TO WEST BENGAL	-0.474	-0.478	-0.478	-0.480
TO J&K	-73.482	-74.506	-74.506	-74.867
TO CHATTISHGARH	-44.544	-45.299	-45.299	-45.528
TO MANIPUR	-27.311	-27.579	-27.579	-27.713
TO TAMILNAIDU	-0.079	-0.080	-0.080	-0.081
TO UTTRAKHAND	-18.704	-19.208	-19.208	-19.301
TO MAHARASHTRA	-12.340	-12.552	-12.552	-12.611
TO MEGHALAYA	-5.183	-5.273	-5.273	-5.297
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-187.689	-192.686	-192.686	-193.593
TO GUJRAT	-2.675	-2.716	-2.716	-2.718
TO POWER EXCHANGE (IEX)	-137.365	-138.005	-137.365	-138.005
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-16.319	-16.378	-16.319	-16.378
TO SHARE PROJECT (PUNJAB)	-13.661	-13.709	-13.661	-13.709
TOTAL	**-619.722**	**-629.294**	**-628.546**	**-631.496**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2454.425**	**2397.038**	**1727.816**	**1687.755**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1945.353
NET CONSUMPTION		**1930.121**
AVAILABILITY WITHIN DELHI		265.898
ACTUAL DRAWAL FROM THE GRID		1664.223
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-23.532
LOAD SHEDDING		0.593
UNRESTRICTED DEMAND (GROSS)		1945.946
UNRESTRICTED DEMAND (NET)		1930.714
MAX. NET CONSUMPTION		73.454 ON 30.03.2019
MAX. LOAD SHEDDING		223MW ON 01.03.2019 AT 10.25HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4016MW AT 10.10.19 HRS ON 01.03.2019	0 MW
EVENING PEAK	3635MW AT 19.00HRS ON 29.03.2019	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	15.61%
	PRAGATI	00.53%
	RITHALA	0.00%
	BAWANA	21.69%
	Timarpur Okhla	87.73%
	EDWPCL	63.18%
	DMSWL	75.58%

9 SHEDDING DETAILS DURING THE MONTH OF MAR 2019.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		NDPL	NDMC	TOTAL	BSES		NDPL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.Mar.19	3	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.005	0.000	0.000
04.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
05.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
08.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000
10.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Mar.19	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.000
29.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000
30.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.Mar.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**3**	**0.000**	**0.000**	**0.002**	**0.000**	**0.002**	**0.000**	**0.000**	**0.125**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		NDPL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
02.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
03.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.099	0.000	0.000	0.107	**0.109**
04.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	**0.002**
05.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
06.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
07.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	**0.005**
08.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
09.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	**0.024**
10.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
11.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
12.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
13.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
14.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
15.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
16.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
17.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
18.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
19.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
20.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
21.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
22.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
23.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
24.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
25.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
26.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
27.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
28.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	**0.026**
29.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	**0.063**
30.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
31.Mar.19	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**
	0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.003**	**0.099**	**0.000**	**0.000**	**0.227**	**0.229**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		NDPL	NDMC	MES	BSES		NDPL	NDMC
	BYPL	BRPL				BYPL	BRPL		
	26	27	28	29	30	31	32	33	34
01.Mar.19	0.000	0.001	0.018	0.000	0.000	0.002	0.006	0.000	0.000
02.Mar.19	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
03.Mar.19	0.000	0.019	0.008	0.000	0.000	0.000	0.003	0.005	0.000
04.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000
05.Mar.19	0.000	**0.0004**	0.000	0.000	0.000	0.000	0.001	0.000	0.000
06.Mar.19	0.000	0.000	0.000	0.000	0.000	0.001	0.005	0.000	0.000
07.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
08.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
09.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
10.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Mar.19	0.002	0.000	0.007	0.000	0.000	0.000	0.001	0.000	0.000
12.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.002	0.000
13.Mar.19	0.001	0.001	0.000	0.000	0.000	0.000	0.019	**0.0004**	0.000
14.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.003	**0.0001**	0.000
15.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.003	0.000
16.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.054	0.000
17.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.011	**0.0001**	0.000
18.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0002**	0.000
19.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.000
20.Mar.19	0.000	0.000	0.005	0.000	0.000	0.000	0.022	**0.0005**	0.000
21.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	**0.0003**	**0.0002**	0.000
22.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
23.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000
24.Mar.19	0.000	0.018	0.001	0.000	0.000	0.000	0.001	0.001	0.000
25.Mar.19	**0.0005**	0.003	0.006	0.000	0.000	0.000	0.003	0.001	0.000
26.Mar.19	0.000	0.000	0.002	0.000	0.000	0.001	0.010	0.000	0.000
27.Mar.19	0.000	**0.0004**	0.017	0.000	0.000	0.000	0.001	**0.0004**	0.000
28.Mar.19	0.000	0.000	0.000	0.000	0.000	0.005	0.006	0.001	0.000
29.Mar.19	0.000	0.012	0.002	0.000	0.000	0.000	0.000	0.000	0.000
30.Mar.19	0.000	0.000	0.000	0.000	0.000	0.013	0.004	0.000	0.000
31.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.004	**0.055**	**0.066**	**0.000**	**0.000**	**0.023**	**0.134**	**0.074**	**0.000**

ALL FIGURES IN MUs

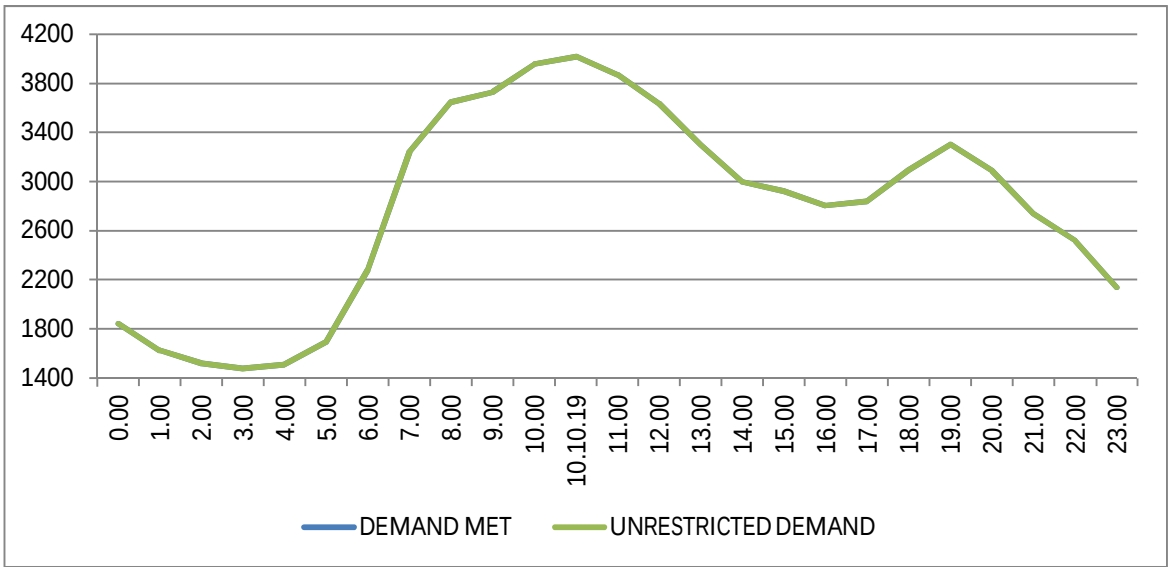
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Mar.19	0.000	0.003	0.005	0.000	0.000	0.000	0.000	**0.035**	**0.035**
02.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
03.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.035**	**0.144**
04.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.014**
05.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
06.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
07.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.006**
08.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
09.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.025**
10.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
11.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.010**	**0.010**
12.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
13.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
14.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
15.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
16.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.055**	**0.055**
17.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
18.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.0002**
19.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
20.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.028**	**0.028**
21.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
22.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
23.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
24.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
25.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.014**
26.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.013**	**0.013**
27.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.019**	**0.019**
28.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.012**	**0.038**
29.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.014**	**0.077**
30.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.017**	**0.017**
31.Mar.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
TOTAL	**0.000**	**0.003**	**0.005**	**0.000**	**0.000**	**0.000**	**0.000**	**0.364**	**0.593**

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR-RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST-RICTED DEMAND	MAXIMUM UN-REST-RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.Mar.19	65.460	4016	10:10:19	0	4016	4016	10:10:19	4016	0
02.Mar.19	62.017	3744	10:48:23	0	3744	3744	10:48:23	3744	0
03.Mar.19	59.845	3844	10:33:14	0	3844	3844	10:33:14	3844	0
04.Mar.19	62.950	3986	09:42:11	0	3986	3986	09:42:11	3986	0
05.Mar.19	62.112	3735	10:03:19	0	3735	3735	10:03:19	3735	0
06.Mar.19	63.417	3835	10:08:44	0	3835	3835	10:08:44	3835	0
07.Mar.19	63.070	3661	09:55:48	0	3661	3661	09:55:48	3661	0
08.Mar.19	64.610	3839	10:00:34	0	3839	3839	10:00:34	3839	0
09.Mar.19	60.298	3498	10:11:45	0	3498	3498	10:11:45	3498	0
10.Mar.19	57.990	3498	10:33:40	0	3498	3498	10:33:40	3498	0
11.Mar.19	61.319	3564	10:15:40	0	3564	3564	10:15:40	3564	0
12.Mar.19	62.906	3479	11:06:04	0	3479	3479	11:06:04	3479	0
13.Mar.19	63.162	3584	10:02	0	3584	3584	10:02	3584	0
14.Mar.19	63.220	3630	10:47:01	0	3630	3630	10:47:01	3630	0
15.Mar.19	64.630	3776	10:02:51	0	3776	3776	10:02:51	3776	0
16.Mar.19	59.890	3461	10:30	0	3461	3461	10:30	3461	0
17.Mar.19	57.560	3418	10:11:05	6	3424	3424	10:11:05	3418	6
18.Mar.19	61.596	3550	09:41:58	0	3550	3550	09:41:58	3550	0
19.Mar.19	62.148	3507	10:12:09	0	3507	3507	10:12:09	3507	0
20.Mar.19	60.217	3527	10:12	0	3527	3527	10:12	3527	0
21.Mar.19	47.776	2356	19:17:15	0	2356	2356	19:17:15	2356	0
22.Mar.19	54.959	3095	10:25:00	0	3095	3095	10:25:00	3095	0
23.Mar.19	56.323	3142	10:35:34	0	3142	3142	10:35:34	3142	0
24.Mar.19	58.413	3152	10:23:18	0	3152	3152	10:23:18	3152	0
25.Mar.19	61.522	3361	10:37:31	0	3361	3361	10:37:31	3361	0
26.Mar.19	63.740	3402	10:16:17	0	3402	3402	10:16:17	3402	0
27.Mar.19	65.299	3516	09:43:49	0	3516	3516	09:43:49	3516	0
28.Mar.19	68.126	3512	10:29:45	0	3512	3512	10:29:45	3512	0
29.Mar.19	72.941	3749	11:30:47	0	3749	3749	11:30:47	3749	0
30.Mar.19	73.454	3646	10:48:00	0	3646	3646	10:48:00	3646	0
31.Mar.19	69.151	3330	19:46:14	0	3330	3330	19:46:14	3330	0
TOTAL	1930.121	4016 **01.03.19**	10:10:19	0	4016 **01.03.19**	4016	10:10:19	4016	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MAR 2019 ON 01.03.2019- 4016MW AT 10.10.19HRS.

All figures in MW

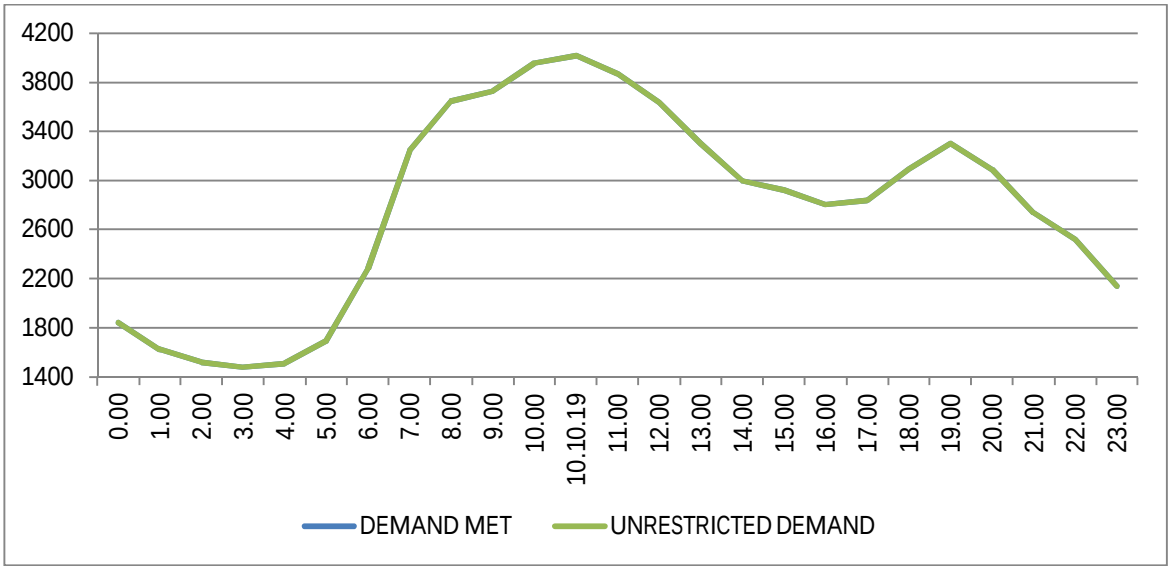
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1842	0	1842
1.00	1625	0	1625
2.00	1521	0	1521
3.00	1480	0	1480
4.00	1510	0	1510
5.00	1694	0	1694
6.00	2281	0	2281
7.00	3246	0	3246
8.00	3646	0	3646
9.00	3725	0	3725
10.00	3955	0	3955
10.10.19	4016	0	4016
11.00	3871	0	3871
12.00	3634	0	3634
13.00	3303	0	3303
14.00	2995	0	2995
15.00	2920	0	2920
16.00	2806	0	2806
17.00	2838	0	2838
18.00	3094	0	3094
19.00	3302	0	3302
20.00	3086	0	3086
21.00	2737	0	2737
22.00	2519	0	2519
23.00	2139	0	2139
Total (IN MUS)	**65.46**	**0.035**	**65.495**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MAR 2019 ON 01.03.2019- 4016MW AT 10.10.19HRS.

All figures in MW

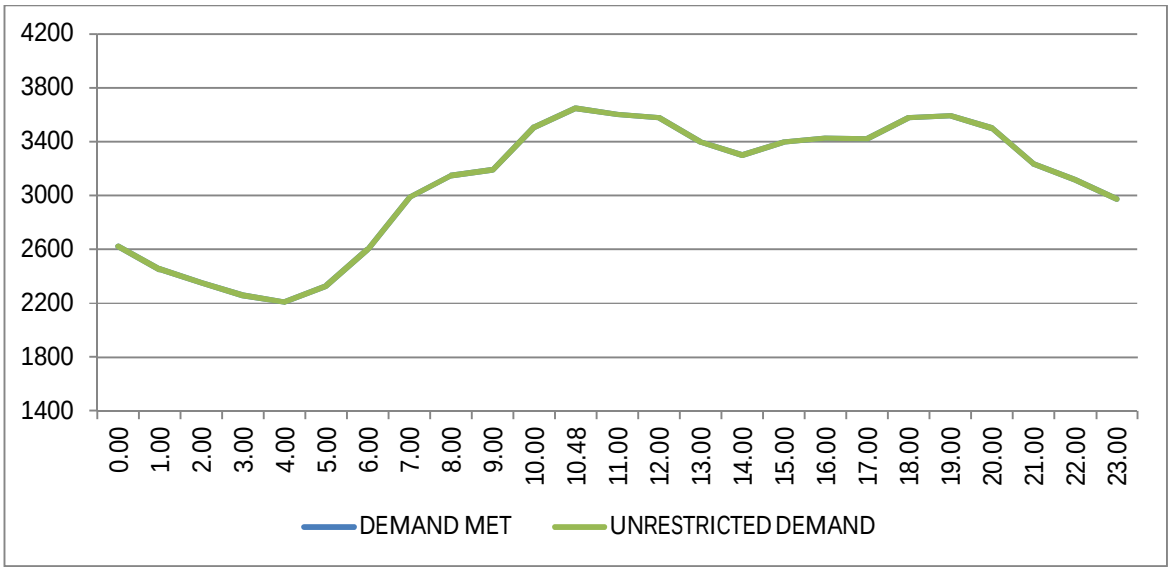
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1842	0	1842
1.00	1625	0	1625
2.00	1521	0	1521
3.00	1480	0	1480
4.00	1510	0	1510
5.00	1694	0	1694
6.00	2281	0	2281
7.00	3246	0	3246
8.00	3646	0	3646
9.00	3725	0	3725
10.00	3955	0	3955
10.10.19	4016	0	4016
11.00	3871	0	3871
12.00	3634	0	3634
13.00	3303	0	3303
14.00	2995	0	2995
15.00	2920	0	2920
16.00	2806	0	2806
17.00	2838	0	2838
18.00	3094	0	3094
19.00	3302	0	3302
20.00	3086	0	3086
21.00	2737	0	2737
22.00	2519	0	2519
23.00	2139	0	2139
Total (IN MUS)	**65.46**	**0.035**	**65.495**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MAR 2019 – 30.03.2019 – 73.454Mus

All figures in MW

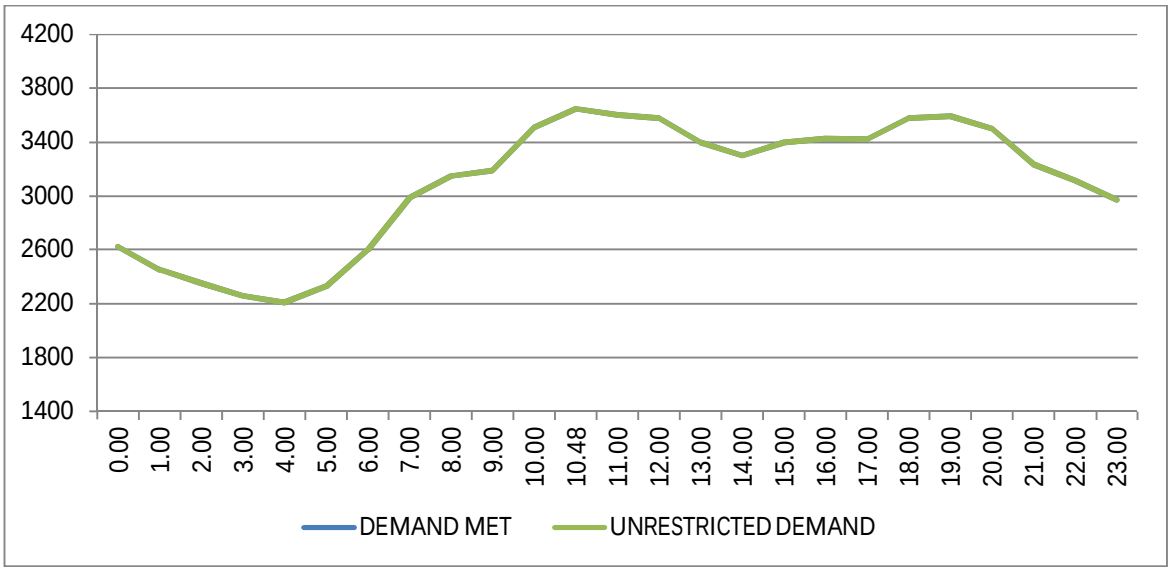
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	2621	0	2621
1.00	2452	0	2452
2.00	2353	0	2353
3.00	2261	0	2261
4.00	2207	0	2207
5.00	2327	0	2327
6.00	2604	0	2604
7.00	2986	0	2986
8.00	3147	0	3147
9.00	3191	0	3191
10.00	3508	0	3508
10.48	3646	0	3646
11.00	3602	0	3602
12.00	3579	0	3579
13.00	3398	0	3398
14.00	3299	0	3299
15.00	3399	0	3399
16.00	3425	0	3425
17.00	3421	0	3421
18.00	3577	0	3577
19.00	3594	0	3594
20.00	3502	0	3502
21.00	3237	0	3237
22.00	3117	0	3117
23.00	2971	0	2971
Total (IN MUS)	**73.724**	**0.017**	**73.741**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MAR 2019 – 30.03.2019 – 73.471 Mus

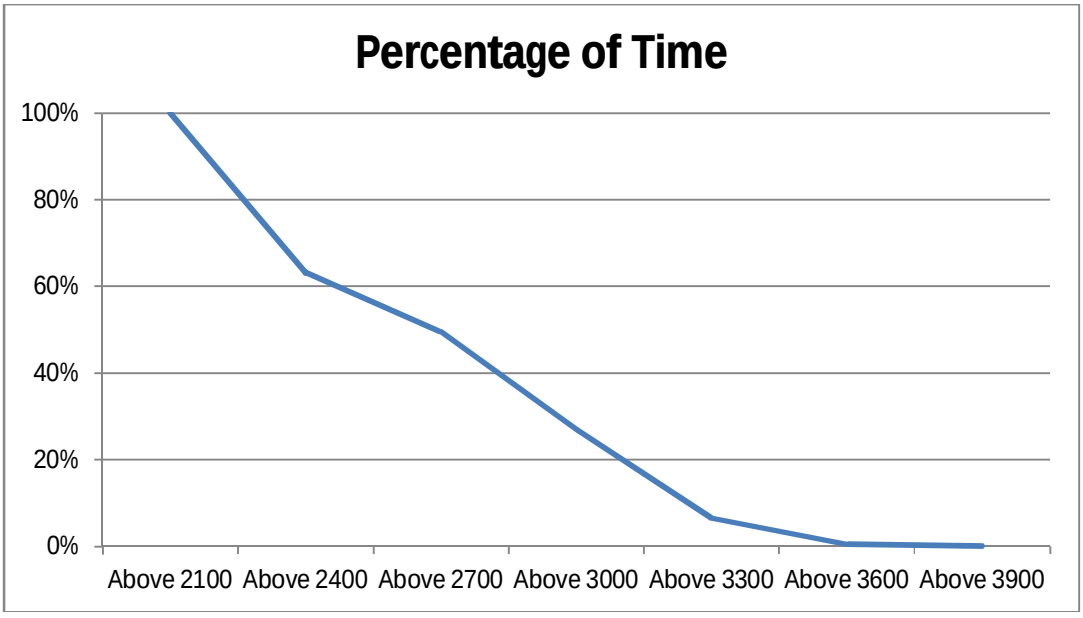
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	2621	0	2621
1.00	2452	0	2452
2.00	2353	0	2353
3.00	2261	0	2261
4.00	2207	0	2207
5.00	2327	0	2327
6.00	2604	0	2604
7.00	2986	0	2986
8.00	3147	0	3147
9.00	3191	0	3191
10.00	3508	0	3508
10.48	3646	0	3646
11.00	3602	0	3602
12.00	3579	0	3579
13.00	3398	0	3398
14.00	3299	0	3299
15.00	3399	0	3399
16.00	3425	0	3425
17.00	3421	0	3421
18.00	3577	0	3577
19.00	3594	0	3594
20.00	3502	0	3502
21.00	3237	0	3237
22.00	3117	0	3117
23.00	2971	0	2971
Total (IN MUS)	**73.724**	**0.017**	**73.741**



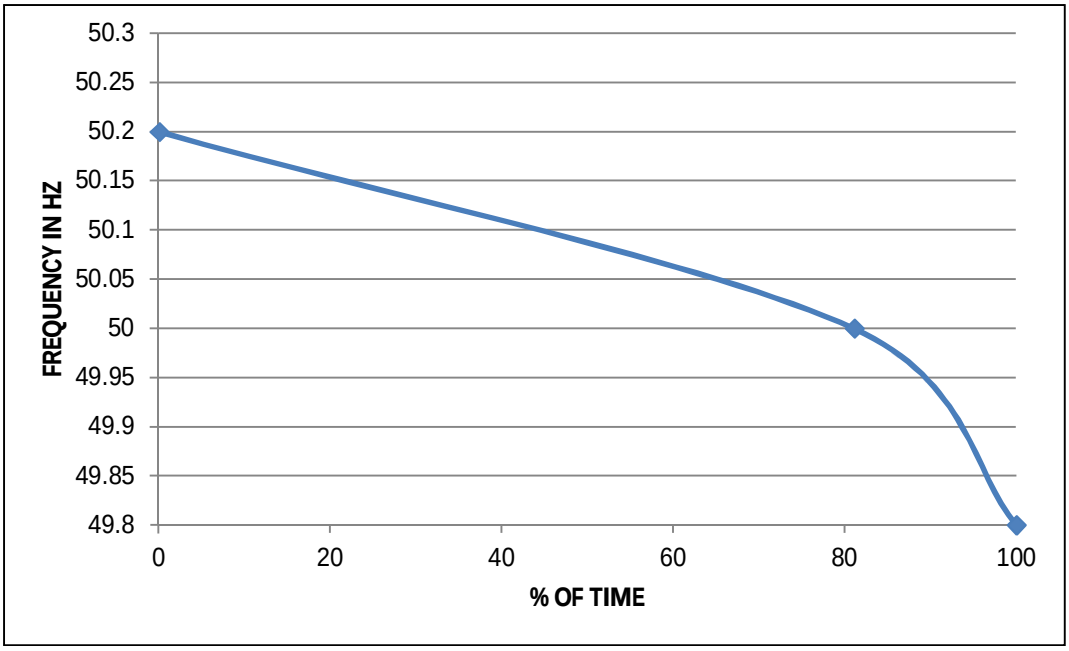
14 LOAD DURATION CURVE FOR MAR 2019

Load in MW	Percentage of Time
Above 2100	100.00%
Above 2400	63.13%
Above 2700	49.51%
Above 3000	26.91%
Above 3300	6.42%
Above 3600	0.49%
Above 3900	0.00%



15 FREQUENCY ANALYSIS FOR THE MONTH OF MAR 2019

Frequency Range in Hz.	Percentage of time
Above 49.8	100.00
Above 50.00	81.11
Above 50.20	0.07



16 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MAR 2019

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Mar.19	241.55	0	242.2	227.88
02.Mar.19	241.55	0	243.49	228.53
03.Mar.19	242.07	0	251.1	0
04.Mar.19	242.33	0	242.72	229.43
05.Mar.19	239.75	0	242.33	229.3
06.Mar.19	239.62	226.85	241.81	228.27
07.Mar.19	240.39	67.83	242.84	230.08
08.Mar.19	238.85	225.69	242.07	228.66
09.Mar.19	240.91	227.37	241.68	231.24
10.Mar.19	238.59	223.5	241.55	231.49
11.Mar.19	237.69	225.05	241.55	228.66
12.Mar.19	240.26	226.34	241.17	230.46
13.Mar.19	237.3	226.98	240.91	230.21
14.Mar.19	239.88	226.85	241.68	230.08
15.Mar.19	240.39	225.05	241.04	229.43
16.Mar.19	238.59	226.34	242.2	232.66
17.Mar.19	238.85	227.37	241.43	231.24
18.Mar.19	238.33	0	239.75	228.14
19.Mar.19	238.85	0	241.43	229.82
20.Mar.19	240.26	227.88	240.39	230.85
21.Mar.19	241.43	232.78	240.52	234.72
22.Mar.19	242.07	0	241.17	231.37
23.Mar.19	240.91	225.95	240.78	231.24
24.Mar.19	240.39	0	240.91	231.88
25.Mar.19	239.88	0	240.91	231.49
26.Mar.19	239.62	0	240.39	231.24
27.Mar.19	237.69	0	240.52	229.3
28.Mar.19	238.97	224.01	240.91	229.3
29.Mar.19	237.04	218.47	240.26	226.21
30.Mar.19	236.91	226.21	239.88	228.79
31.Mar.19	236.01	227.5	239.62	231.75

17 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MAR 2019

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Mar.19	420.43	04:34:33	395.11	11:42:55	408.94
02.Mar.19	420.67	23:53:19	399.1	11:18:37	411.01
03.Mar.19	421.61	03:57:50	402.14	11:07:10	411.93
04.Mar.19	420.43	03:02:43	395.11	10:16:53	410.07
05.Mar.19	419.03	04:00:56	397.22	11:19:47	409.77
06.Mar.19	419.5	04:00:51	0	19:11:51	317.48
07.Mar.19	419.73	19:56:45	0	00:38:16	149.83
08.Mar.19	421.84	01:12:25	402.85	11:19:44	413.89
09.Mar.19	423.01	04:01:09	405.19	12:19:20	413.25
10.Mar.19	422.08	04:00:42	405.66	11:35:23	415.06
11.Mar.19	422.08	04:00:55	402.61	11:09:16	413.38
12.Mar.19	423.01	04:01:19	402.61	11:44:50	412.91
13.Mar.19	422.08	20:04:14	404.49	11:17:43	413.14
14.Mar.19	424.42	13:04:26	402.61	08:46:26	414.95
15.Mar.19	424.19	01:55:08	403.32	10:26:09	413.39
16.Mar.19	423.25	04:01:02	406.83	10:15:42	414.16
17.Mar.19	421.37	04:01:15	406.37	11:08:26	413.45
18.Mar.19	420.67	04:00:22	400.5	11:14:29	412.68
19.Mar.19	422.78	02:01:21	402.85	09:32:02	412.32
20.Mar.19	421.84	03:15:15	404.49	11:11:16	413.91
21.Mar.19	422.08	04:00:34	410.35	22:10:31	415.88
22.Mar.19	422.55	04:01:21	403.79	11:16:13	413.96
23.Mar.19	423.01	05:01:16	405.19	18:57:18	413.24
24.Mar.19	420.9	04:00:22	406.6	11:36:10	413.46
25.Mar.19	420.9	04:30:12	406.37	10:07:22	413.16
26.Mar.19	421.61	02:48:16	405.66	09:17:27	413.11
27.Mar.19	422.55	05:01:49	404.25	11:16:21	412.74
28.Mar.19	422.55	03:59:23	404.02	22:07:16	412.43
29.Mar.19	421.61	03:59:36	399.57	11:48:27	410.86
30.Mar.19	419.73	04:02:20	404.25	11:38:01	412.83
31.Mar.19	421.37	04:01:23	406.83	19:14:36	413.65

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Mar.19	427.7	04:34:22	0	14:27:50	295.71
02.Mar.19	428.88	23:31:36	411.99	11:18:26	421.73
03.Mar.19	430.99	04:00:22	413.87	19:00:23	422.81
04.Mar.19	429.58	03:01:57	408.94	10:07:02	421.51
05.Mar.19	427.94	03:32:06	410.12	11:21:12	419.82
06.Mar.19	427.47	04:03:25	409.18	11:05:41	419.54
07.Mar.19	429.58	02:01:22	410.35	11:17:09	419.9
08.Mar.19	427.23	04:00:22	411.06	11:19:38	420.67
09.Mar.19	429.11	04:01:12	411.52	12:16:48	419.61
10.Mar.19	427.47	04:02:41	411.52	12:15:57	420.32
11.Mar.19	426.3	04:00:59	409.65	11:12:05	419.53
12.Mar.19	429.58	04:02:18	409.18	11:40:14	419.15
13.Mar.19	428.64	20:03:21	411.52	10:35:52	419.11
14.Mar.19	430.75	13:00:13	410.35	08:48:20	421.04
15.Mar.19	428.88	01:55:03	409.88	11:40:23	418.93
16.Mar.19	427.7	20:56:47	413.4	10:07:48	419.7
17.Mar.19	426.3	03:59:13	412.7	11:43:19	419.55
18.Mar.19	427.47	20:11:04	408.48	11:10:22	419.34
19.Mar.19	427.7	02:00:40	410.35	11:18:16	418.99
20.Mar.19	428.41	03:25:19	411.52	10:49:25	421.1
21.Mar.19	429.11	05:01:50	417.86	11:06:55	422.95
22.Mar.19	429.11	04:01:28	411.06	11:17:04	420.98
23.Mar.19	429.11	04:33:58	411.52	18:57:19	420.39
24.Mar.19	427.94	04:00:16	413.17	19:07:05	420.59
25.Mar.19	427.47	04:32:02	413.17	10:17:07	419.48
26.Mar.19	427.7	02:46:39	411.99	11:18:17	418.97
27.Mar.19	427.7	03:31:00	411.29	11:21:26	419.08
28.Mar.19	427.7	04:00:22	410.35	12:42:16	418.37
29.Mar.19	425.59	04:00:09	407.54	10:11:13	416.8
30.Mar.19	425.12	04:02:08	411.06	11:38:15	418.58
31.Mar.19	426.53	04:01:28	413.87	19:12:10	420.27

18 DETAILS OF BREAK-DOWNS DURING THE MONTH OF MARCH 2019

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.3.19	10:25	220KV BAWANA-SHALIMARBAGH CKT-I	1.3.19	11:03	AT BAWANA : TRIPPED DURING PROT. TESTING.
2	1.3.19	10:25	220kV BAWANA - KANJHAWALA CKT-2	1.3.19	00:00	AT BAWANA : TRIPPED DURING PROT. TESTING.
3	1.3.19	10:25	220KV BAWANA-SHALIMARBAGH CKT-II	1.3.19	11:03	AT BAWANA : TRIPPED DURING PROT. TESTING.
4	1.3.19	10:25	220kV BAWANA - KANJHAWALA CKT - 1	1.3.19	00:00	AT BAWANA : TRIPPED DURING PROT. TESTING.
5	2.3.19	14:30	KASHMIRI GATE 33/11kV, 20MVA Tx	2.3.19	18:00	DIFFERENTIAL.
6	2.3.19	19:41	220kV WAZIRABAD-GEETA COLONY CKT-I	2.3.19	00:00	AT WAZIRABAD TRIPPED ON DISTANCE PROTECTION ,Z-1 ,AUTO RECLOSE, R PHASE ,86ABC, AN PHASE , 4.395KM AT GEETA COLONY TRIPPED ON HT GROUP I , EARTH FAULT DISTANCE PROTECTION ,Z-1,APHASE ,2.127KM
7	3.3.19	02:42	MEHRAULI 66/11kV, 20MVA Tx-I	3.3.19	00:00	TRIPPED ON 64RLV ,E/F , DIFFERNTIAL ,87
8	3.3.19	02:59	220kV OKHLA - BTPS CKT.- I	3.3.19	08:33	AT OKHLA TRIPPED ON 86B
9	3.3.19	03:57	220KV SHALIMARBAGH-WAZIRPUR CKT-II	3.3.19	08:16	AT WAZIRPUR GENERAL TRIPPED , 86
10	3.3.19	03:57	220KV SHALIMARBAGH-WAZIRPUR CKT-II	3.3.19	08:16	AT WAZIRPUR GENERAL TRIPPED , 86
11	3.3.19	04:00	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-1	3.3.19	04:30	AT RIDGE VALLEY TRIPPED 86 A& B
12	3.3.19	04:00	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	3.3.19	07:01	AT ELECTRIC LANE TRIPPED ON DIST PROTATION ,RYB PHASE, 86 A&B, OVER VOLTAGE
13	3.3.19	04:00	220kV MAHARANIBAGH-MASJID MOTH CKT-I	3.3.19	07:11	AT MASJID MOTH TRIPPED ON OVER VOLTAGE DIST PROTACTION ,2.3KM
14	3.3.19	04:00	220kV MAHARANI BAGH - SARITA VIHAR CKT	3.3.19	06:42	AT SARITA VIHAR TRIPPED ON L3E DIST PROTECTION , 19.7KM, OVER VOLTAGE
15	3.3.19	04:00	220kV MAHARANI BAGH - LODHI ROAD CKT-I	3.3.19	07:11	AT LODHI ROAD TRIPPED ON L3E DIST PROTECTION
16	3.3.19	04:10	220kV VASANT KUNJ - R.K.PURAM CKT.-I	3.3.19	04:45	At Vasant kunj tripped on over voltage RYB phase ,differencial
17	3.3.19	04:50	KANJHAWALA 220/66kV 100MVA Tx-I	3.3.19	07:12	86A , O/C
18	3.3.19	04:51	400kV Bawana-Mundka Ckt-I	3.3.19	07:23	At Bawana tripped on over voltage ,186 A & B, 295A2
19	3.3.19	14:35	GOPALPUR 220/33kV 100MVA Tx-I	3.3.19	16:50	TRIPPED ON 186 , BPHASE
20	4.3.19	21:13	400kV Bawana-Mundka Ckt-I	4.3.19	21:42	AT BAWANA : 86.
21	5.3.19	04:45	NARELA 66/11kV, 20MVA Tx-I	5.3.19	19:20	DIFFERENTIAL & E/F.
22	8.3.19	10:22	220KV GAZIPUR - MAHARANIBAGH CKT. -II	8.3.19	00:00	AT GAZIPUR : TRIPPED WITHOUT INDICATION.
23	8.3.19	12:46	PEERA GARHI 220/33kV 100MVA Tx-I	8.3.19	00:00	TRIPPED WITHOUT INDICATION.
24	11.3.19	14:51	BAWANA 400/220kV 315MVA ICT-II	11.3.19	15:29	86
25	12.3.19	15:03	RAJGHAT 220/33kV 100MVA Tx-2	12.3.19	19:47	DIFFERENTIAL
26	16.3.19	05:45	PREETVIHAR 220/33kV 100MVA Tx-II	19.3.19	19:33	86A&B
27	18.3.19	05:56	220KV WAZIRABAD - MANDOLA CKT-IV	18.3.19	08:14	AT WAZIRABAD : 86.
28	19.3.19	07:48	220kV MAHARANI BAGH - LODHI ROAD CKT-I	19.3.19	10:43	AT LODHI ROAD : DIST PROT, ZONE-I, GROUND DISTANCE. AT MAHARANI BAGH : GEN TRIP, DIST PROT, ZONE-I, DIST 3.3KM, Y PHSAE.
29	19.3.19	12:54	400kV Mandola-Bawana Ckt-II	19.3.19	13:54	AT BAWANA : DIST PROT, ZONE-I, 86. AT MANDOLA, A/R OPERATED, RN PHASE OPERATED.
30	20.3.19	11:10	400kV Bamnauli-Jhatikara Ckt-I	20.3.19	13:36	AT BAMNAULI: RYB PHASE, 186, DISTANCE PROTECTION.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
31	20.3.19	13:10	220kV NARELA - MANDOLA CKT-I	20.3.19	18:15	AT NARELA: R-PH, DIFFERENTIAL PROTECTION. AT MANDOLA: R-PH, DISTANCE PROTECTION, DIST-12.652KM, E/F.
32	20.3.19	13:28	400kV Mandola-Bawana Ckt-II	20.3.19	19:01	AT BAWANA: DISTANCE PROTECTION, ZONE-1, DIST-13.97KM.
33	20.3.19	13:30	400kV Mandola-Bawana Ckt-I	20.3.19	18:25	AT BAWANA: DISTANCE PROTECTION, ZONE-1, DIST-13.59KM.
34	23.3.19	13:34	220kV BAMNAULI-NAJAFGARH CKT-I	23.3.19	00:00	AT BAMNAULI : DIST PROT, ZONE-I, DIST 4.494KM.
35	23.3.19	15:00	220KV GAZIPUR - MAHARANIBAGH CKT. -II	23.3.19	17:50	AT GAZIPUR : DIRECTIONAL RELAY.
36	24.3.19	03:20	MEHRAULI 220/66kV 100MVA Tx-II	24.3.19	04:10	TRIPPED WITHOUT INDICATOIN.
37	24.3.19	03:20	MEHRAULI 220/66kV 100MVA Tx-III	24.3.19	04:10	I/C TRIPPED ON E/F
38	24.3.19	03:20	MEHRAULI 220/66kV 100MVA Tx-I	24.3.19	04:10	I/C TRIPPED ON E/F
39	24.3.19	07:07	220kV GOPALPUR- MANDOLACKT-II	24.3.19	11:44	AT GOPALPUR : CONDUCTOR SNAPPED.
40	24.3.19	17:40	220kV WAZIRABAD-GEETA COLONY CKT-I	24.3.19	19:50	AT GEETA COLONY : DIST PROT, ZONE-I , DIST 4.25KM. AT WAZIRBAD : DIST PROT, ZONE-I, IDST 5.380KM.

19 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MARCH 2019

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