DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

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FEB - 2019

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	FEB 2018	FEB 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)**	**3946**	**4398**
	Date	09.02.2018	03.02.2019
	Time	10.09.27	10.20.56
3	**Peak Demand met (MW)**	**3946**	**4386**
	Date	09.02.2018	03.02.2019
	Time	10.09.27	10.20.56
4	Peak Availability (MW)	3835	4108
5	Shortage (-) / Surplus (+) in MW	(-) 111	(-) 278
6	Percentage Shortage (-) / Surplus (+)	(-) 2.81	(-) 6.34
7	Maximum Energy Consume in a day (Mus)	66.571	72.482
8	Energy Consumed during the month	**1753.210**	**1855.490**
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	0.072
	BRPL	0.000	0.000
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	**0.000**	0.074
B)	Due to Constraints in System in Mus		
	DTL	0.877	0.155
	NDPL	0.044	0.037
	BRPL	0.310	0.177
	BYPL	0.035	0.008
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.000
	Total	**1.266**	**0.377**
11	**Grand Total in Mus**	**1.266**	**0.451**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING FEB 2019

A) For the month of Feb 2019

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Availability (%)	Backing Down
1.	**RPH**	0.000	-0.118	-0.118	0.00	0.000
2.	**GT**	38.627	1.486	37.141	89.30	119.942
3.	**PPCL**	84.908	1.977	82.931	90.16	111.027
4.	**BTPS**	0.000	0.520	-0.520	0	0
5.	**Rithala**	0.000	0.000	0.000	**0**	0
6.	**Bawana**	89.608	5.343	84.265	35.22	231.55
7.	**Towmcl**	13.276	1.760	11.516	--	--
8.	**EDWPCL**	2.126	0.635	1.491	--	--
9.	**DMSWL**	10.456	1.876	8.580	--	--
	TOTAL	**239.001**	**13.479**	**1465.221**	--	462.519

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2019	Availability (%) for Feb 2019	PLF (%) for Feb 2019	Cumulative Generation in MUs upto Feb 2019 for the year 2018-19	Cumulative Availability in % upto Feb 2019 for the year 2018-19	Cumulative PLF in % upto Feb 2019 for the year 2018-19
RPH	135	-0.118	0	0	-2.128	0	0
GT	270	37.141	89.30	21.15	547.414	81.31	26.12
PPCL	330	82.931	90.16	38.55	1479.380	91.54	57.55
BTPS	705	-0.520	0	0	1239.415	35.74	25.37
Rithala	108	0.000	**0**	0	-0.370	**0**	0
Bawana	1372	84.265	35.22	9.44	3278.241	73.46	31.23
Towmcl	16	11.516	--	--	130.272	--	--
EDWPCL	--	1.491	--	--	25.187	--	--
DMSWL	--	8.580	--	--	101.247	--	--
TOTAL	2936	**1465.221**	--	--	**6798.658**	--	140.27

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

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.

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

(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	28.02.19	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	28.02.19	23.59	

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

(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	Machine shut down for Filter Replacement so half of STG #1 was also 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 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.
		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	

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	
		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	

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.
		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	

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG-1		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	

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	

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	

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.

(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	28.02.19	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	28.02.19	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	28.02.19	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 FEB 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	10.53.04	0	38	159	357	16	-1	6	0	575	3734	3621	113	4309	0	4309
2	10.25.10	0	108	158	130	16	-1	8	0	419	3736	3505	231	4155	0	4155
3	10.20.56	0	117	283	-7	16	0	16	0	425	3961	3683	278	4386	12	4398
4	10.00.26	0	42	156	-8	10	0	12	0	212	4000	3998	2	4212	0	4212
5	09.47.48	0	41	160	-5	16	0	5	0	217	3921	3876	45	4138	0	4138
6	10.00.46	0	40	157	-5	14	0	4	0	210	3922	3875	47	4132	0	4132
7	10.18.45	0	40	159	-6	12	0	16	0	221	3875	3741	134	4096	7	4103
8	10.34.35	0	40	159	-5	16	0	14	0	224	4094	3871	223	4318	0	4318
9	09.58.05	0	40	159	-5	16	0	14	0	224	3796	3725	71	4020	0	4020
10	10.46.39	0	40	158	-2	17	7	5	0	225	3798	3780	18	4023	0	4023
11	10.47.26	0	71	159	-3	18	11	10	0	266	3767	3578	189	4033	0	4033
12	11.03.24	0	40	160	-8	14	5	14	0	225	3861	3569	292	4086	0	4086
13	09.57.17	0	41	154	200	15	-1	13	0	422	3585	3549	36	4007	0	4007
14	10.20.21	0	39	154	345	19	-1	16	0	572	3387	3328	59	3959	0	3959
15	10.02.46	0	40	152	358	18	-1	16	0	583	3522	3481	41	4105	0	4105
16	09.49.56	0	40	158	139	18	-1	16	0	370	3535	3505	30	3905	0	3905
17	10.48.40	0	40	161	201	12	3	11	0	428	3643	3434	209	4071	0	4071
18	09.47.33	0	40	155	201	16	-1	14	0	425	3414	3508	-94	3839	0	3839
19	10.00.25	0	40	195	145	16	-1	14	0	409	3500	3461	39	3909	0	3909
20	09.45.23	0	40	160	-5	16	-1	15	0	225	3730	3465	265	3955	0	3955
21	10.02.57	0	97	-4	25	14	0	15	0	147	3734	3650	84	3881	0	3881
22	09.54.14	0	137	-2	129	18	4	16	0	302	3605	3535	70	3907	0	3907
23	10.15.01	0	40	-2	203	17	4	10	0	272	3379	3393	-14	3651	0	3651
24	10.26.29	0	41	-2	380	18	4	14	0	455	3292	3321	-29	3747	0	3747
25	10.31.51	0	40	-1	13	19	8	18	0	97	3591	3462	129	3688	0	3688
26	10.27.51	0	40	-1	150	19	7	18	0	233	3527	3261	266	3760	0	3760
27	10.36.19	0	138	-1	221	18	6	19	0	401	3556	3455	101	3957	0	3957
28	10.01.26	0	40	-1	25	17	7	15	0	103	3808	3681	127	3911	0	3911

7 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING FEB 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	Townmcd	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	10.53.04	0	38	159	357	16	-1	6	0	575	3734	3621	113	4309	0	4309
2	10.25.10	0	108	158	130	16	-1	8	0	419	3736	3505	231	4155	0	4155
3	10.20.56	0	117	283	-7	16	0	16	0	425	3961	3683	278	4386	12	4398
4	10.00.26	0	42	156	-8	10	0	12	0	212	4000	3998	2	4212	0	4212
5	09.47.48	0	41	160	-5	16	0	5	0	217	3921	3876	45	4138	0	4138
6	10.00.46	0	40	157	-5	14	0	4	0	210	3922	3875	47	4132	0	4132
7	10.18.45	0	40	159	-6	12	0	16	0	221	3875	3741	134	4096	7	4103
8	10.34.35	0	40	159	-5	16	0	14	0	224	4094	3871	223	4318	0	4318
9	09.58.05	0	40	159	-5	16	0	14	0	224	3796	3725	71	4020	0	4020
10	10.46.39	0	40	158	-2	17	7	5	0	225	3798	3780	18	4023	0	4023
11	10.47.26	0	71	159	-3	18	11	10	0	266	3767	3578	189	4033	0	4033
12	11.03.24	0	40	160	-8	14	5	14	0	225	3861	3569	292	4086	0	4086
13	09.57.17	0	41	154	200	15	-1	13	0	422	3585	3549	36	4007	0	4007
14	10.20.21	0	39	154	345	19	-1	16	0	572	3387	3328	59	3959	0	3959
15	10.02.46	0	40	152	358	18	-1	16	0	583	3522	3481	41	4105	0	4105
16	09.49.56	0	40	158	139	18	-1	16	0	370	3535	3505	30	3905	0	3905
17	10.48.40	0	40	161	201	12	3	11	0	428	3643	3434	209	4071	0	4071
18	09.47.33	0	40	155	201	16	-1	14	0	425	3414	3508	-94	3839	0	3839
19	10.00.25	0	40	195	145	16	-1	14	0	409	3500	3461	39	3909	0	3909
20	09.45.23	0	40	160	-5	16	-1	15	0	225	3730	3465	265	3955	0	3955
21	10.02.57	0	97	-4	25	14	0	15	0	147	3734	3650	84	3881	0	3881
22	09.54.14	0	137	-2	129	18	4	16	0	302	3605	3535	70	3907	0	3907
23	10.15.01	0	40	-2	203	17	4	10	0	272	3379	3393	-14	3651	0	3651
24	10.26.29	0	41	-2	380	18	4	14	0	455	3292	3321	-29	3747	0	3747
25	10.31.51	0	40	-1	13	19	8	18	0	97	3591	3462	129	3688	0	3688
26	10.27.51	0	40	-1	150	19	7	18	0	233	3527	3261	266	3760	0	3760
27	10.36.19	0	138	-1	221	18	6	19	0	401	3556	3455	101	3957	0	3957
28	10.01.26	0	40	-1	25	17	7	15	0	103	3808	3681	127	3911	0	3911

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

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

A (i) RPH	0.000
(ii) GT+STG	38.627
(iii) PRAGATI	84.908
(iv) RITHALA	0.000
(v) BAWANA CCGT	89.608
(vi) Timarpur – Okhla	13.276
EDWPCL	2.126
DMSWL	10.456
TOTAL	239.001
B) AVAILABILITY FROM BTPS	-0.520
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	13.195
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**225.286**

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	20.163	19.633	20.163	19.633
SASAN	274.426	266.510	274.034	266.129
TANKAPUR	2.005	1.938	2.005	1.938
CHAMERA	14.001	13.666	14.001	13.666
CHAMERA -II	8.626	8.399	8.626	8.399
CHAMERA -III	4.249	4.144	4.249	4.144
DHAULIGANGA	3.559	3.452	3.559	3.452
SEWA -2	10.012	9.750	10.012	9.750
URI	27.566	26.764	27.566	26.764
URI-II	17.344	16.898	17.344	16.898
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	8.270	7.981	8.270	7.981
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)	2.541	2.426	1.943	1.855
ANTA (RLNG)	26.614	25.424	0.000	0.000
ANTA (LIQUID)	0.000	0.000	0.000	0.000
DADRI (GAS)	20.144	19.649	15.444	15.065
DADRI (RLNG)	39.698	38.701	1.079	1.055
DADRI (LIQUID)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	2.219	2.121	1.277	1.221
AURAIYA (RLNG)	44.818	43.318	0.045	0.043
AURAIYA (LIQUID)	0.000	0.000	0.000	0.000
SINGRAULI	89.843	85.914	85.948	82.191
SINGRAULI_HYDRO	0.394	0.377	0.394	0.377
RIHAND -I	59.642	57.083	54.998	52.652
RIHAND -II	79.496	76.083	70.078	67.057
RIHAND -III	83.260	79.683	75.272	72.054
UNCHAHAR-I	14.635	14.198	11.439	11.097
UNCHAHAR-II	28.678	27.822	22.353	21.685
UNCHAHAR-III	17.735	17.205	13.901	13.485
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	455.595	444.178	272.208	265.515
DADRI (TH) STAGE-II	377.473	367.438	297.933	289.996
NAPP	15.856	15.331	15.856	15.331
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	30.378	29.051	30.378	29.051
NATHPA JHAKRI	17.565	17.032	16.310	15.810
DULASTI	10.619	10.349	10.619	10.349
TEHRI	13.829	13.347	13.829	13.347
JHAJJAR	381.615	372.083	270.382	263.537

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
KHELGAON	30.062	29.388	22.785	22.272
KHELGAON-II	98.501	96.291	82.019	80.169
FARAKA	13.382	13.116	9.786	9.592
TALA	0.243	0.237	0.243	0.237
TALCHER	0.000	0.000	0.000	0.000
DVC	163.499	162.275	162.275	160.117
TUTICORIN - BRPL	10.682	10.574	10.574	10.443
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	3.881	3.869	3.869	3.822
MAHARASHTRA	0.000	0.000	0.000	0.000
KARNATAKA	0.183	0.180	0.180	0.178
MADHYA PRADESH	0.081	0.080	0.080	0.079
METHON POWER(NDPL)LT-06	160.088	158.883	158.883	156.889
DVC MEJIA (LT-08)(BYPL)	62.599	62.129	62.129	61.346
URS	2.816	2.780	2.816	2.780
JAMMU & KASHMIR	0.606	0.598	0.598	0.590
HIMACHAL PRADESH	7.702	7.526	7.526	7.428
DB POWER	0.084	0.083	0.083	0.082
MIZORAM	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	0.562	0.549	0.549	0.543
HARYANA (LT-05)	48.314	47.693	47.693	47.078
SIKKIM	0.000	0.000	0.000	0.000
ANDHRA PRADESH	0.502	0.496	0.496	0.491
ORISSA MT-20 JITPL -DVC	3.697	3.651	3.651	3.605
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
RAJASTHAN(SOLAR) BRPL-LT36	3.244	3.139	3.139	3.099
RAJASTHAN(SOLAR) BYPL - LT-35	3.224	3.119	3.119	3.079
RAJASTHAN(SOLAR) TPDDL LT-31	3.211	3.106	3.106	3.067
TO JHARKHAND	0.000	0.000	0.000	0.000
TO ANDHRA	-66.371	-67.166	-67.166	-68.026
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MANIPUR	-21.627	-21.848	-21.848	-22.121
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO J&K	-66.028	-67.195	-67.195	-68.056
TO UTTAR PRADESH	-0.283	-0.290	-0.290	-0.293
TO UTTRAKHAND	-2.990	-3.093	-3.093	-3.124
TO MAHARASHTRA	-19.263	-19.599	-19.599	-19.850
TO MEGHALAYA	-8.546	-8.683	-8.683	-8.787
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-223.352	-230.276	-230.276	-233.226
TO GUJRAT	-14.045	-14.255	-14.255	-14.447
POWER EXCHANGE(IEX)	57.467	56.772	57.467	56.772
TO POWER EXCHANGE (IEX)	-167.067	-169.136	-167.067	-169.136
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)	-6.748	-6.820	-6.748	-6.820
TO SHARE PROJECT (PUNJAB)	-6.571	-6.642	-6.571	-6.642
TOTAL	**2274.602**	**2189.475**	**1701.791**	**1634.760**

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	1342.783	1301.619	924.314	895.349
NTPC - ER	141.944	138.794	114.590	112.033
NHPC	118.143	114.992	118.143	114.992
NPC	46.234	44.382	46.234	44.382
SASAN	274.426	266.510	274.034	266.129
KOTESHWAR	8.270	7.981	8.270	7.981
MUNDRA_UMPP	0.000	0.000	0.000	0.000
NATHPA JHAKRI	17.565	17.032	16.310	15.810
TEHRI	13.829	13.347	13.829	13.347
TALA	0.243	0.237	0.243	0.237
JHAJJAR	381.615	372.083	270.382	263.537
TALCHER	0.000	0.000	0.000	0.000
RAJASTHAN SOLAR(BRPL)T-36	3.244	3.139	3.139	3.099
RAJASTHAN SOLAR(BYPL)T-35	3.224	3.119	3.119	3.079
RAJASTHAN SOLAR(TPDDL)T-31	3.211	3.106	3.106	3.067
DVC	163.499	162.275	162.275	160.117
TUTICORIN BRPL	10.682	10.574	10.574	10.443
ADHPL (KULLU)	0.000	0.000	0.000	0.000
MEGHALAYA	3.881	3.869	3.869	3.822
MAHARASHTRA	0.000	0.000	0.000	0.000
KARNATAKA	0.183	0.180	0.180	0.178
MADHYA PRADESH	0.081	0.080	0.080	0.079
METHON POWER (NDPL)-LT-06	160.088	158.883	158.883	156.889
DVC MEJIA (LT-08)(BYPL)	62.599	62.129	62.129	61.346
URS	2.816	2.780	2.816	2.780
JAMMU & KASHMIR	0.606	0.598	0.598	0.590
HIMACHAL PRADESH	7.702	7.526	7.526	7.428
DB POWER	0.084	0.083	0.083	0.082
MIZORAM	0.000	0.000	0.000	0.000
NAGALAND	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	0.562	0.549	0.549	0.543
HARYANA (LT -05)	48.314	47.693	47.693	47.078
SIKKIM	0.000	0.000	0.000	0.000
ANDHRA PRADESH	0.502	0.496	0.496	0.491
ORISSA MT-20 JITPL -DVC	3.697	3.651	3.651	3.605
TAMILNAIDU	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	57.467	56.772	57.467	56.772
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TOTAL	**2877.492**	**2804.478**	**2314.582**	**2255.286**

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	-66.371	-67.166	-67.166	-68.026
TO MADHYA PRADESH	0.000	0.000	0.000	0.000
TO MANIPUR	-21.627	-21.848	-21.848	-22.121
TO J&K	-66.028	-67.195	-67.195	-68.056
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-0.283	-0.290	-0.290	-0.293
TO UTTRAKHAND	-2.990	-3.093	-3.093	-3.124
TO MAHARASHTRA	-19.263	-19.599	-19.599	-19.850
TO MEGHALAYA	-8.546	-8.683	-8.683	-8.787
BTPS TO MP	0.000	0.000	0.000	0.000
TO HIMACHAL PRADESH	-223.352	-230.276	-230.276	-233.226
TO GUJRAT	-14.045	-14.255	-14.255	-14.447
TO POWER EXCHANGE (IEX)	-167.067	-169.136	-167.067	-169.136
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-6.748	-6.820	-6.748	-6.820
TO SHARE PROJECT (PUNJAB)	-6.571	-6.642	-6.571	-6.642
TOTAL	**-602.891**	**-615.003**	**-612.791**	**-620.526**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**2274.602**	**2189.475**	**1701.791**	**1634.760**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs. EXCLUDING BTPS		1868.685
NET CONSUMPTION		**1855.490**
AVAILABILITY WITHIN DELHI		225.286
ACTUAL DRAWAL FROM THE GRID		1630.204
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-4.556
LOAD SHEDDING		0.451
UNRESTRICTED DEMAND (GROSS)		1869.136
UNRESTRICTED DEMAND (NET)		1855.941
MAX. NET CONSUMPTION		72.482 ON 01.02.2019
MAX. LOAD SHEDDING		216MW ON 14.02.2019 AT 09.040HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4386MW AT 10.20.56 HRS ON 03.02.2019	12 MW
EVENING PEAK	4366MW AT 18.30.00HRS ON 05.02.2019	0 MW
P.L.F. OF GENCO AND PRAGATI STNs.	RPH	0.00%
	GT	21.29%
	PRAGATI	38.29%
	RITHALA	0.00%
	BAWANA	7.53%
	Timarpur Okhla	95.59%
	EDWPCL	26.36%
	DMSWL	64.83%

9 SHEDDING DETAILS DURING THE MONTH OF FEB 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.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000
02.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000
03.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	0.000	0.000
04.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.Feb.19	1	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.000	0.000
19.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	0.000
22.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Feb.19	0	0.000	0.000	0.0001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.Feb.19	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**1**	**0.000**	**0.000**	**0.002**	**0.000**	**0.002**	**0.000**	**0.000**	**0.072**	**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.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	**0.010**
02.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	**0.011**
03.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.035	**0.035**
04.Feb.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**
05.Feb.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.Feb.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.Feb.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**
08.Feb.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.Feb.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**
10.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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	**0.002**
19.Feb.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.Feb.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.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	**0.016**
22.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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.Feb.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**	**0.000**	**0.000**	**0.000**	**0.000**	**0.072**	**0.074**

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.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000
02.Feb.19	0.001	0.005	0.002	0.000	0.000	0.000	0.000	0.0000	0.000
03.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.002	0.000
04.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.Feb.19	0.000	0.026	0.000	0.000	0.000	0.000	0.012	0.0005	0.000
06.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.004	0.000
07.Feb.19	0.001	0.000	0.000	0.000	0.000	0.000	0.016	0.006	0.000
08.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
09.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.002	0.000
10.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
11.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.003	0.000
12.Feb.19	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.0000	0.000
14.Feb.19	0.001	0.000	0.020	0.000	0.000	0.000	0.004	0.001	0.000
15.Feb.19	0.0001	0.027	0.001	0.000	0.000	0.000	0.016	0.0000	0.000
16.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
17.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000
18.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000
19.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
20.Feb.19	0.000	0.018	0.000	0.000	0.000	0.000	0.014	0.002	0.000
21.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.001	0.000
22.Feb.19	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000
23.Feb.19	0.003	0.005	0.000	0.000	0.000	0.000	0.004	0.006	0.000
24.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.001	0.000
26.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.000	0.000
27.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000
28.Feb.19	0.001	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	0.031	**0.101**	**0.023**	**0.000**	**0.000**	**0.008**	**0.177**	**0.037**	**0.000**

ALL FIGURES IN MUs

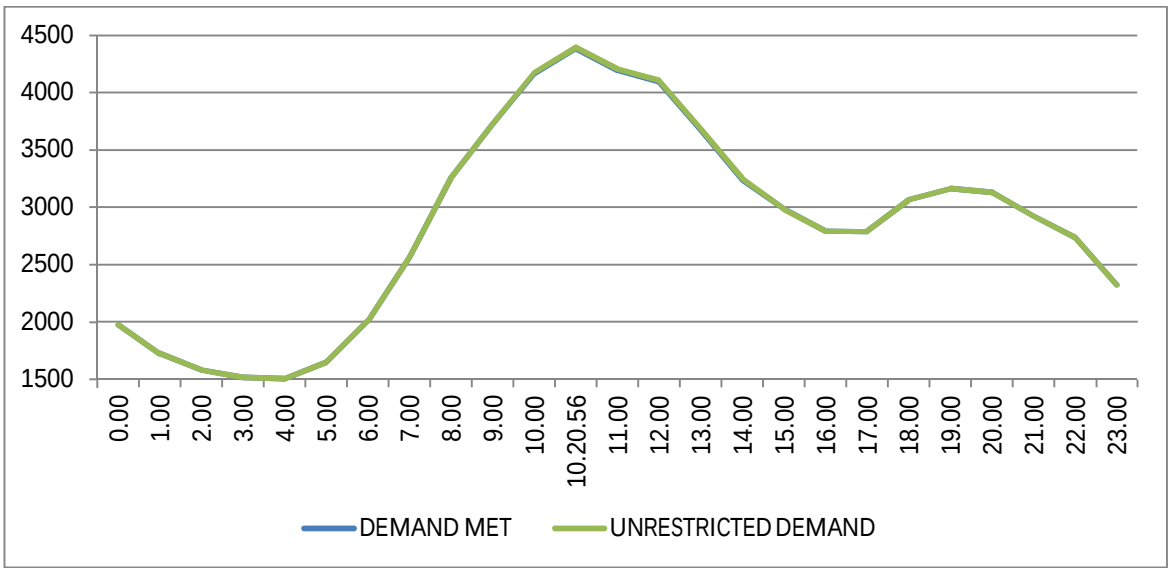
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		NDPL	NDMC	BSES		NDPL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.010**
02.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.019**
03.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.051**	**0.086**
04.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
05.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.039**	**0.039**
06.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.015**	**0.015**
07.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.023**	**0.023**
08.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
09.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
10.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
11.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
12.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.024**	**0.024**
13.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
14.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.026**	**0.026**
15.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.044**	**0.044**
16.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.006**
17.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
18.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.006**	**0.0080**
19.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
20.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.034**	**0.034**
21.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.017**
22.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
23.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
24.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
25.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.008**	**0.008**
26.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
27.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
28.Feb.19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.021**	**0.021**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.377**	**0.451**

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.Feb.19	72.482	4349	10:53:04	0	4349	4349	10:53:04	4349	0
02.Feb.19	69.240	4155	10:25:10	0	4155	4155	10:25:10	4155	0
03.Feb.19	68.356	4386	10:20:56	12	4398	4398	10:20:56	4386	12
04.Feb.19	69.864	4212	10:00:26	0	4212	4212	10:00:26	4212	0
05.Feb.19	68.030	4138	09:47:48	0	4138	4138	09:47:48	4138	0
06.Feb.19	68.599	4132	10:00:46	0	4132	4132	10:00:46	4132	0
07.Feb.19	68.851	4096	10:18:45	7	4103	4103	10:18:45	4096	7
08.Feb.19	69.806	4318	10:34:35	0	4318	4318	10:34:35	4318	0
09.Feb.19	66.271	4022	09:58:05	0	4022	4022	09:58:05	4022	0
10.Feb.19	63.669	4023	10:46:39	0	4023	4023	10:46:39	4023	0
11.Feb.19	67.375	4033	10:47:26	0	4033	4033	10:47:26	4033	0
12.Feb.19	67.754	4086	11:03:24	0	4086	4086	11:03:24	4086	0
13.Feb.19	67.298	4007	09:57:17	0	4007	4007	09:57:17	4007	0
14.Feb.19	66.610	3959	10:20:21	0	3959	3959	10:20:21	3959	0
15.Feb.19	68.350	4105	10:02:46	0	4105	4105	10:02:46	4105	0
16.Feb.19	64.751	3905	09:49:56	0	3905	3905	09:49:56	3905	0
17.Feb.19	62.554	4071	10:48:40	0	4071	4071	10:48:40	4071	0
18.Feb.19	63.520	3839	09:47:33	0	3839	3839	09:47:33	3839	0
19.Feb.19	66.081	3909	10:00:25	0	3909	3909	10:00:25	3909	0
20.Feb.19	65.226	3955	09:45:23	0	3955	3955	09:45:23	3955	0
21.Feb.19	65.831	3881	10:02:57	0	3881	3881	10:02:57	3881	0
22.Feb.19	66.607	3907	09:54:14	0	3907	3907	09:54:14	3907	0
23.Feb.19	63.301	3657	10:15:08	0	3657	3657	10:15:08	3657	0
24.Feb.19	59.342	3747	10:26:29	0	3747	3747	10:26:29	3747	0
25.Feb.19	61.977	3688	10:31:51	0	3688	3688	10:31:51	3688	0
26.Feb.19	64.086	3760	10:27:51	0	3760	3760	10:27:51	3760	0
27.Feb.19	64.828	3957	10:36:19	0	3957	3957	10:36:19	3957	0
28.Feb.19	64.831	3911	10:01:25	0	3911	3911	10:01:25	3911	0
TOTAL	1855.490	4386 **03.02.19**	10:20:56	12	4398 **03.02.19**	4398	10:33:04	4386	0

10 LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING FEB 2019 ON 03.02.2019- 4386MW AT 10.20.56HRS.

All figures in MW

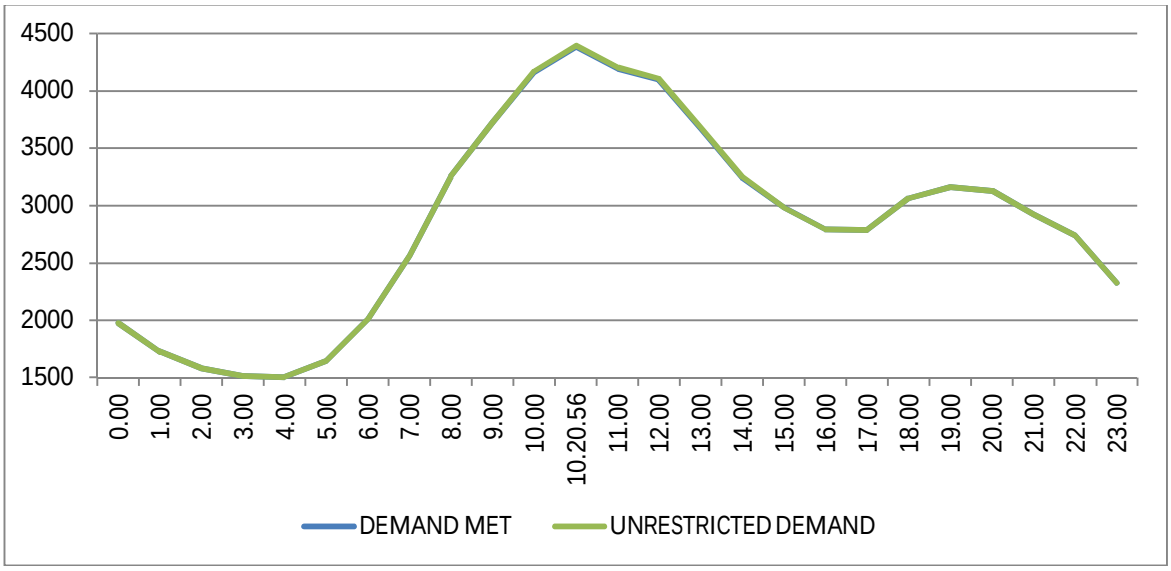
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1976	0	1976
1.00	1726	0	1726
2.00	1582	0	1582
3.00	1513	0	1513
4.00	1504	0	1504
5.00	1647	0	1647
6.00	2012	0	2012
7.00	2565	0	2565
8.00	3255	0	3255
9.00	3720	0	3720
10.00	4162	12	4174
10.20.56	4386	12	4398
11.00	4194	12	4206
12.00	4098	12	4110
13.00	3672	12	3684
14.00	3238	12	3250
15.00	2981	0	2981
16.00	2790	0	2790
17.00	2788	0	2788
18.00	3063	0	3063
19.00	3160	0	3160
20.00	3132	0	3132
21.00	2921	0	2921
22.00	2737	0	2737
23.00	2323	0	2323
Total (IN MUS)	**68.356**	**0.086**	**68.442**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING FEB 2019 ON 03.02.2019- 4398MW AT 10.20.56HRS.

All figures in MW

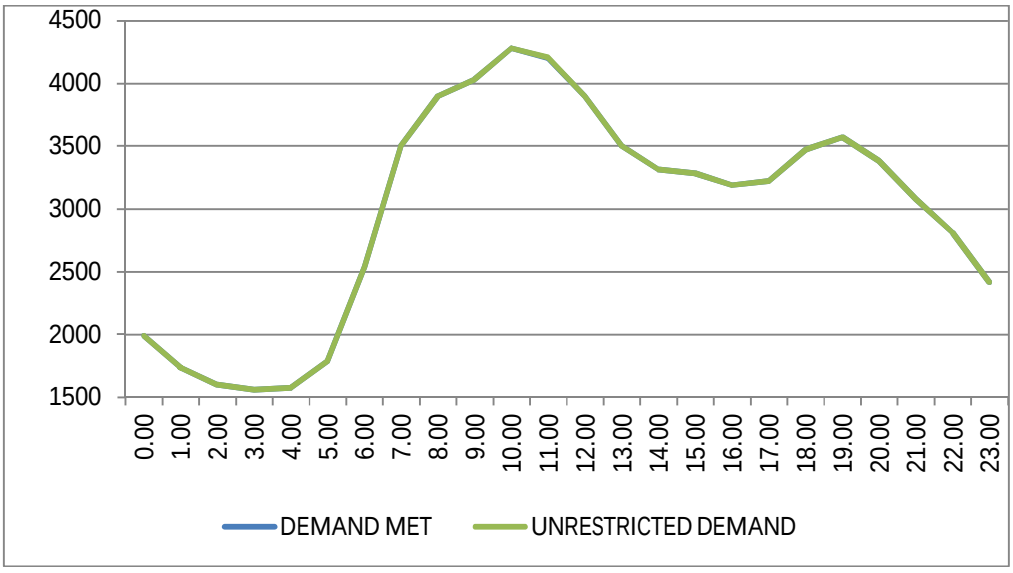
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1976	0	1976
1.00	1726	0	1726
2.00	1582	0	1582
3.00	1513	0	1513
4.00	1504	0	1504
5.00	1647	0	1647
6.00	2012	0	2012
7.00	2565	0	2565
8.00	3255	0	3255
9.00	3720	0	3720
10.00	4162	12	4174
10.20.56	4386	12	4398
11.00	4194	12	4206
12.00	4098	12	4110
13.00	3672	12	3684
14.00	3238	12	3250
15.00	2981	0	2981
16.00	2790	0	2790
17.00	2788	0	2788
18.00	3063	0	3063
19.00	3160	0	3160
20.00	3132	0	3132
21.00	2921	0	2921
22.00	2737	0	2737
23.00	2323	0	2323
Total (IN MUS)	**68.356**	**0.086**	**68.442**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING FEB 2019 – 01.02.2019 – 72.482Mus

All figures in MW

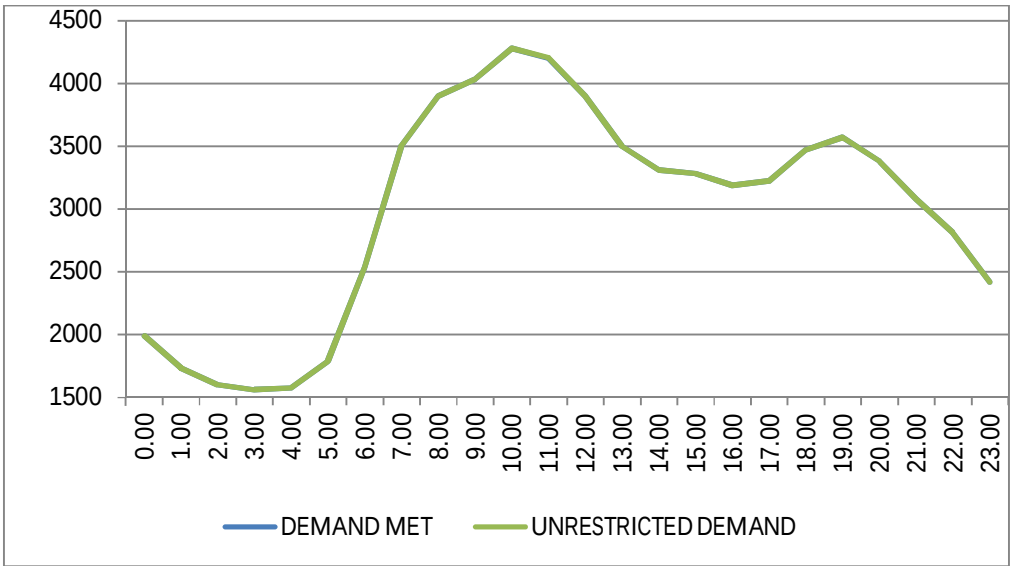
Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1990	0	1990
1.00	1735	0	1735
2.00	1599	0	1599
3.00	1559	0	1559
4.00	1576	0	1576
5.00	1789	0	1789
6.00	2537	0	2537
7.00	3508	0	3508
8.00	3901	0	3901
9.00	4033	0	4033
10.00	4279	0	4279
11.00	4204	4	4208
12.00	3900	0	3900
13.00	3503	0	3503
14.00	3315	0	3315
15.00	3285	0	3285
16.00	3190	0	3190
17.00	3226	0	3226
18.00	3473	0	3473
19.00	3571	0	3571
20.00	3382	0	3382
21.00	3079	0	3079
22.00	2810	0	2810
23.00	2417	0	2417
Total (IN MUS)	**72.482**	**0.010**	**72.492**



13 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING FEB 2019 – 01.02.2019 – 72.492 Mus

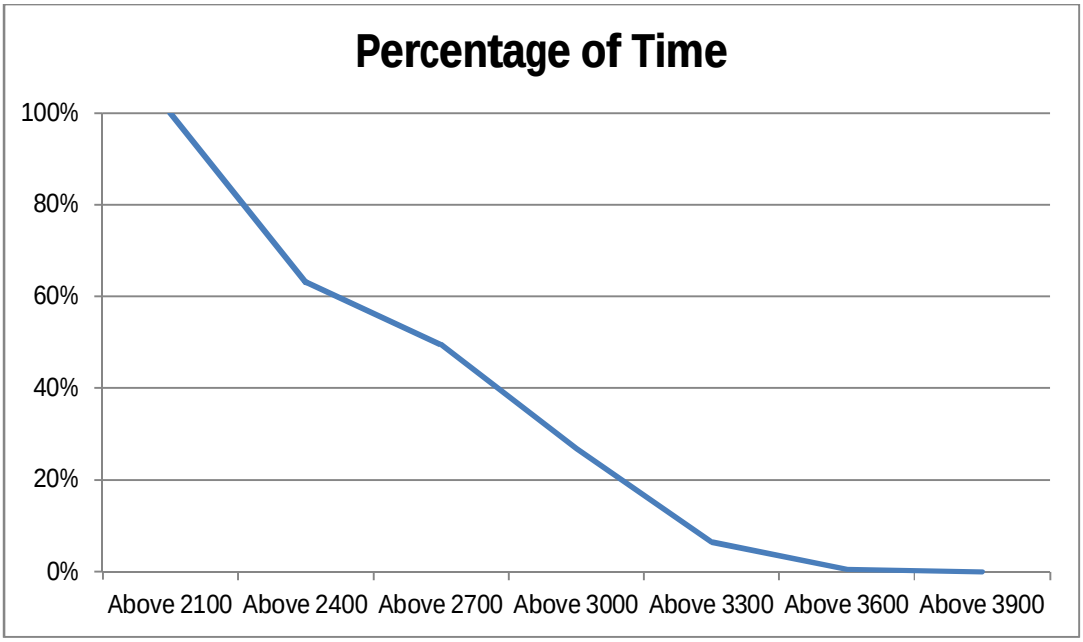
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
0.00	1990	0	1990
1.00	1735	0	1735
2.00	1599	0	1599
3.00	1559	0	1559
4.00	1576	0	1576
5.00	1789	0	1789
6.00	2537	0	2537
7.00	3508	0	3508
8.00	3901	0	3901
9.00	4033	0	4033
10.00	4279	0	4279
11.00	4204	4	4208
12.00	3900	0	3900
13.00	3503	0	3503
14.00	3315	0	3315
15.00	3285	0	3285
16.00	3190	0	3190
17.00	3226	0	3226
18.00	3473	0	3473
19.00	3571	0	3571
20.00	3382	0	3382
21.00	3079	0	3079
22.00	2810	0	2810
23.00	2417	0	2417
Total (IN MUS)	**72.482**	**0.010**	**72.492**



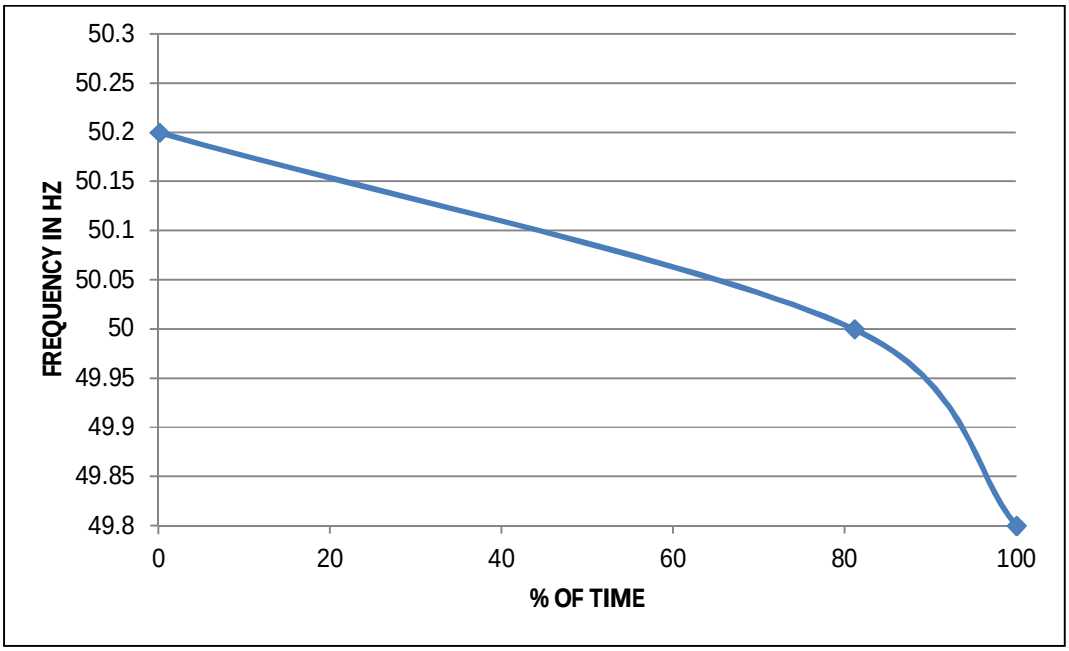
14 LOAD DURATION CURVE FOR FEB 2019

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 FEB 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 FEB 2019

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.Feb.19	239.23	226.85	240.52	224.79
02.Feb.19	240.78	227.63	241.81	223.76
03.Feb.19	240.78	227.63	240.52	225.05
04.Feb.19	240.26	226.59	242.84	223.5
05.Feb.19	239.75	227.63	240.26	226.72
06.Feb.19	239.88	226.59	241.17	223.5
07.Feb.19	242.07	229.43	241.55	226.72
08.Feb.19	242.33	228.53	240.26	189.97
09.Feb.19	239.75	226.85	240.78	225.43
10.Feb.19	240.26	228.14	240.14	226.72
11.Feb.19	241.43	230.46	240.39	228.53
12.Feb.19	239.75	228.92	240.52	228.01
13.Feb.19	239.75	227.5	241.17	229.82
14.Feb.19	239.49	223.37	242.2	228.27
15.Feb.19	238.59	222.34	245.04	0
16.Feb.19	241.04	228.53	241.43	231.88
17.Feb.19	239.75	229.43	242.33	232.78
18.Feb.19	240.14	228.66	242.07	231.24
19.Feb.19	238.46	227.5	244.26	231.11
20.Feb.19	239.49	226.85	244.91	232.4
21.Feb.19	241.81	226.85	248.52	231.37
22.Feb.19	239.1	226.85	245.04	232.01
23.Feb.19	239.88	226.72	245.55	0
24.Feb.19	239.88	228.14	244.91	0
25.Feb.19	240.26	226.08	245.42	0
26.Feb.19	240.52	225.43	242.2	227.24
27.Feb.19	241.17	222.98	242.46	227.88
28.Feb.19	238.85	225.43	241.81	228.53

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Feb.19	422.55	02:52:14	399.57	09:27:24	412.51
02.Feb.19	422.55	04:01:07	397.45	11:25:16	411.41
03.Feb.19	421.37	04:01:10	398.16	11:18:01	412.9
04.Feb.19	422.08	01:47:13	397.92	12:12:34	411.17
05.Feb.19	419.73	00:16:35	399.33	11:21:38	410.28
06.Feb.19	419.5	03:42:19	396.99	11:11:31	412.28
07.Feb.19	420.2	19:59:46	402.14	06:48:54	413.05
08.Feb.19	420.67	00:32:56	399.33	11:37:28	411.1
09.Feb.19	420.9	02:29:10	399.57	09:16:01	404.95
10.Feb.19	418.56	17:02:25	399.57	11:47:44	406.08
11.Feb.19	420.2	03:23:06	402.85	08:54:27	410.86
12.Feb.19	419.73	00:52:29	401.44	09:29:01	411.73
13.Feb.19	419.73	04:00:42	401.91	18:49:04	410.39
14.Feb.19	418.32	04:00:24	402.61	18:41:27	412.23
15.Feb.19	420.43	04:02:09	399.33	12:11:49	410.64
16.Feb.19	418.32	04:01:52	402.14	18:48:04	410.75
17.Feb.19	419.73	04:00:55	400.97	18:50:24	411.87
18.Feb.19	418.09	03:27:24	400.97	10:25:19	410.31
19.Feb.19	417.86	00:45:51	396.75	11:09:02	409.01
20.Feb.19	418.32	01:00:14	397.22	11:09:25	408.77
21.Feb.19	419.5	04:02:07	399.8	11:36:09	409.65
22.Feb.19	417.86	04:01:51	400.74	18:58:13	410.36
23.Feb.19	419.26	02:30:59	399.1	11:36:15	410.17
24.Feb.19	417.86	16:09:09	399.8	11:36:39	411.13
25.Feb.19	419.5	04:00:29	397.92	10:17:32	410.08
26.Feb.19	420.9	03:45:45	396.99	11:22:25	409.89
27.Feb.19	419.5	03:32:17	393.47	11:16:08	409.86
28.Feb.19	419.5	02:52:10	395.81	11:11:51	410.55

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.Feb.19	425.59	02:21:48	408.01	11:39:55	417.95
02.Feb.19	426.3	04:00:24	407.3	11:23:24	418.1
03.Feb.19	426.77	03:21:56	407.3	11:11:12	419.37
04.Feb.19	427.23	01:46:33	406.83	12:13:21	418.27
05.Feb.19	426.3	04:01:44	408.01	11:21:49	417.6
06.Feb.19	426.3	03:42:33	406.37	11:20:22	417.8
07.Feb.19	428.88	23:59:58	412.23	06:28:33	420.94
08.Feb.19	428.88	00:00:42	408.94	11:39:15	418.95
09.Feb.19	426.3	02:27:37	407.77	09:49:13	417.79
10.Feb.19	425.59	23:59:52	407.77	11:12:02	418.48
11.Feb.19	427.7	03:17:25	412.46	18:25:16	418.94
12.Feb.19	426.3	00:44:41	411.29	09:31:08	419.93
13.Feb.19	426.53	04:00:43	408.71	18:48:24	418.05
14.Feb.19	426.06	04:00:23	408.94	18:40:13	420.43
15.Feb.19	427.7	04:00:40	409.88	11:37:06	419.37
16.Feb.19	426.77	04:00:22	411.06	18:51:40	420.38
17.Feb.19	427.94	04:00:24	411.99	18:49:28	421.86
18.Feb.19	426.77	03:26:55	410.82	18:46:57	419.28
19.Feb.19	426.53	21:17:18	409.18	11:10:30	418.78
20.Feb.19	427.23	01:00:41	408.94	11:10:09	418.5
21.Feb.19	427.94	04:00:22	409.88	18:51:53	419.61
22.Feb.19	426.3	00:00:23	408.71	18:57:02	419.55
23.Feb.19	427.7	02:29:28	409.65	18:48:41	419.69
24.Feb.19	425.59	16:06:47	411.52	11:37:04	420.7
25.Feb.19	427.47	04:00:23	407.77	11:19:33	419.13
26.Feb.19	428.41	03:40:22	408.01	11:37:11	419.23
27.Feb.19	428.64	03:40:34	404.25	11:17:50	419.44
28.Feb.19	427.23	02:28:42	405.66	11:29:29	419.63

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

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	2.2.19	02:22	BAMNAULI 400/220kV 500MVA ICT-III	2.2.19	06:37	TRIPPED ON 86, 186.
2	5.2.19	12:01	220kV PRAGATI - SARITA VIHAR CKT - I	5.2.19	12:12	AT SARITA VIHAR : DIST PROT, ZONE-IV, DIST 596MTS.
3	5.2.19	12:01	220kV SARITA VIHAR - BTPS CKT.-I	5.2.19	17:40	AT SARITA VIHAR : DIST PROT, ZONE-IV, DIST 317MTS.
4	5.2.19	12:01	220kV SARITA VIHAR - BTPS CKT.-II	5.2.19	12:12	AT SARITA VIHAR : DIST PROT, ZONE-IV, DIST 74MTS.
5	5.2.19	12:01	220kV MAHARANI BAGH - SARITA VIHAR CKT	5.2.19	12:11	AT SARITA VIHAR : DIST PROT, ZONE-IV, DIST 134.5MTS., ABC PHASE.
6	6.2.19	17:25	GEETA COLONY 220/33kV 100MVA Tx-II	6.2.19	17:45	TRIPPED ON O/C.86.
7	7.2.19	17:01	PARKSTREET 220/33kV 100MVA Tx-I	7.2.19	17:16	E/F, 86.
8	7.2.19	18:05	INDRAPRASTHA POWER 220/33kV 100MVA Tx-I	7.2.19	19:18	O/C, E/F.
9	9.2.19	02:23	220kV NARELA - MANDOLA CKT-I	9.2.19	11:53	AT NARELA :DIST PROT, R PHASE, 86. AT MANDOLA : DIST PROT, DIST 12.94KM, R PHASE.
10	9.2.19	12:40	220kV DIAL- MEHRAULI CKT-I	9.2.19	13:36	AT MEHRAULI : 186.
11	12.2.19	10:53	WAZIRABAD 220/66kV 100MVA Tx-II	12.2.19	10:49	86, E/F
12	13.2.19	19:57	MUNDKA 220/66kV 160MVA Tx-II	13.2.19	23:59	TRIPPED ON DIFFERENTIAL, 86.
13	14.2.19	09:02	400kV Dadri-Harsh Vihar Ckt-I	14.2.19	00:00	AT HARSH VIHAR : DIST PROT, ZONE-I, DIST 33KM, 86, E/F.
14	14.2.19	09:03	220kV NARELA - MANDOLA CKT-I	14.2.19	09:57	AT NARELA : SUPPLY FAILED. AT MANDOLA : SPS OPERATED DUE TO TRIPPING OF 765KV RIHAND – DADRI CKT. –II
15	14.2.19	09:03	220kV NARELA - MANDOLA CKT-II	14.2.19	09:57	AT NARELA : SUPPLY FAILED. AT MANDOLA : SPS OPERATED DUE TO TRIPPING OF 765KV RIHAND – DADRI CKT. –II
16	14.2.19	09:04	220kV GOPALPUR- MANDOLACKT-II	14.2.19	09:57	AT NARELA : SUPPLY FAILED. AT MANDOLA : SPS OPERATED DUE TO TRIPPING OF 765KV RIHAND – DADRI CKT. –II
17	14.2.19	09:04	220kV GOPALPUR- MANDOLACKT-I	14.2.19	09:57	AT NARELA : SUPPLY FAILED. AT MANDOLA : SPS OPERATED DUE TO TRIPPING OF 765KV RIHAND – DADRI CKT. –II
18	14.2.19	13:36	220kV PRAGATI - SARITA VIHAR CKT - I	14.2.19	16:47	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 3.518KV, B PHASE. AT PRAGATI : DIST PROT, ZONE-I, II & III, DIST 12.08KM, 186A&B.
19	15.2.19	04:20	220kV MAHARANI BAGH - ELECTRIC LANE CKT-I	15.2.19	04:46	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.
20	15.2.19	04:20	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	15.2.19	04:50	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.
21	15.2.19	04:20	220kV MAHARANIBAGH -TRAUMA CENTER CKT-II	15.2.19	04:50	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.
22	15.2.19	04:20	220kV MAHARANIBAGH-TRAUMA CENTER CKT-I	15.2.19	04:50	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.
23	15.2.19	04:20	220kV MAHARANIBAGH-MASJID MOTH CKT-I	15.2.19	04:40	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.
24	15.2.19	04:20	220kV MAHARANI BAGH - LODHI ROAD CKT-I	15.2.19	05:00	Supply failed at 220kV Maharani Bagh due to tripping of 400kV Maharani Bagh-Dadri Ckt. & 400kV Maharani Bagh-Ballabgarh Ckt.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
25	15.2.19	07:38	MEHRAULI 66kV VASANT KUNJ C-BLOCK CKT-I	15.2.19	07:40	AT MEHRAULI : SPS.
26	15.2.19	07:38	MEHRAULI 66kV MALVIYA NAGAR CKT-I	15.2.19	07:40	AT MEHRAULI : SPS.
27	15.2.19	07:38	MEHRAULI 66kV VASANT KUNJ C-BLOCK CKT-II	15.2.19	07:40	AT MEHRAULI : SPS.
28	15.2.19	07:38	MEHRAULI 66kV MALVIYA NAGAR CKT-II	15.2.19	07:40	AT MEHRAULI : SPS.
29	18.2.19	21:15	PAPPANKALAN-I 66/11kV, 20MVA Tx-II	18.2.19	21:35	TRIPPED ON 86, 30D.
30	20.2.19	14:50	220kV MAHARANI BAGH - SARITA VIHAR CKT	20.2.19	15:00	AT SARITA VIHAR : TRIPPED WITHOUT INDICATION.
31	21.2.19	04:04	NARAINA 220/33kV 100MVA Tx-I	21.2.19	05:42	OVER FLUX.
32	23.2.19	03:55	400kV Bawana-Mundka Ckt-I	23.2.19	04:17	AT BAWANA CKT. TRIPPED ON O/V, 186, RYB PHASE.
33	23.2.19	11:08	220kV KANJHAWALA-NAJAFGARH CKT	23.2.19	13:25	86
34	23.2.19	12:00	220kV BAWANA - KANJHAWALA CKT - 1	23.2.19	12:58	TRIPPED WITHOUT INDICATION.
35	23.2.19	13:25	220kV KANJHAWALA-NAJAFGARH CKT	23.2.19	16:10	86
36	23.2.19	13:43	220kV BAMNAULI-NAJAFGARH CKT-I	23.2.19	16:10	86
37	23.2.19	16:56	220kV GAZIPUR- PATPARGANJ CKT	23.2.19	19:56	AT PATPARGANJ : DIST PROT.
38	24.2.19	13:08	220kV PRAGATI - SARITA VIHAR CKT - I	24.2.19	15:25	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 3.29KM. AT PRAGATI : DIST PROT, ZONE-II, DIST 12.13KM.
39	25.2.19	00:12	220kV GAZIPUR- PATPARGANJ CKT	25.2.19	00:14	AT GAZIPUR :GEN TRIP.
40	25.2.19	10:53	BAMNAULI 400/220kV 315MVA ICT-I	25.2.19	12:14	186 A&B
41	26.2.19	09:16	220 KV GOPALPUR-WAZIRABAD CKT - 1	26.2.19	16:29	AT WAZIRABAD : LOW GAS PRESSURE.
42	28.2.19	15:28	INDRAPRASTHA POWER 220/33kV 100MVA Tx-II	28.2.19	15:38	86

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

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