DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

MARCH 2021

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1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	MAR. 2020	MAR. 2021
1	**Effective Generation Capacity within Delhi in MW**		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Bawana CCGT	1372	1371
	TOWMCL (Waste to Energ Plant)	16	16
	EDWPCL (Waste to Energ Plant)	10	10
	DMSWL (Waste to Energ Plant)	24	24
	Total	2156	2156
2	**Maximum Unrestricted Demand (MW)**	**3776**	**3709**
	Date	06.03.2020	10.03.2021
	Time	10.37.25	11.33.54
3	**Peak Demand met (MW)**	**3775**	**3709**
	Date	06.03.2020	10.03.2021
	Time	10.37.25	11.33.54
4	Peak Availability (MW)	3653	3595
5	Shortage (-) / Surplus (+) in MW	(-) 122	(-) 114
6	Percentage Shortage (-) / Surplus (+)	(-) 3.23	(-) 3.07
7	Maximum Energy Consume in a day (Mus)	63.715	73.575
8	Energy Consumed during the month	**1692.364**	**2096.772**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	TPDDL	0.000	0.000
	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**	**0.000**
B)	Due to Constraints in System in Mus		
	DTL	0.336	0.1376
	TPDDL	0.033	0.0218
	BRPL	0.064	0.2127
	BYPL	0.002	0.0189
	NDMC	0.000	0.0000
	MES	0.000	0.0000
	Other Agencies	0.088	0.0001
	Total	**0.523**	**0.3911**
10	**Grand Total in Mus**	**0.523**	**0.3911**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING MARCH 2021

A) For the month of Mar 2021

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Plant Availability factor for the month (%)	Backing Down
1.	**RPH**	0.000	0.124	-0.124	-0.58	0.00
2.	**GT**	27.860	1.543	26.317	13.57	141.574
3.	**PPCL**	105.902	2.404	103.572	43.79	103.842
4.	**Bawana**	380.902	11.158	369.744	89.96	526.613
5.	**Towmcl**	12.396	1.846	10.550	--	--
6.	**EDWPCL**	3.741	0.982	2.759	--	--
7.	**DMSWL**	14.183	2.134	12.049	--	--
	TOTAL	**544.984**	**20.191**	**524.867**	--	**772.029**

B) For the Year 2020-21 (Upto March 2021)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Mar 2021	Availability PLF (%) for Mar 2021	Cumulative PLF (%) upto Mar 2021	Cumulative Generation in MUs upto Mar 2021 for the year 2020-21	Cumulative Availability in % upto Mar 21 for the year 2020-21
RPH	135	-0.124	0	-0.10	0.000	0.000
GT	270	26.317	86.23	19.21	458.546	87.71
PPCL	330	103.572	87.39	53.94	1533.979	92.59
Bawana	1372	369.744	90.11	92.43	3310.279	92.18
Towmcl	16	10.550	--	--	166.721	--
EDWPCL	10	2.759	--	--	28.190	--
DMSWL	24	12.049	--	--	159.519	--
TOTAL	2936	**524.867**	--	--	**5657.234**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2020

RPH

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	**67.5**	08.05.15	13.40			Not in operation due to not meeting pollution norms.
2	**67.5**	21.05.15	10.20			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**	1-04-20	2:19	1-04-20	02:40	Unit tripped due to high LTTH
		1-04-20	8:30	16-04-20	16:05	Low Demand
		17-04-20	9:05	17-4-20	12:15	Low Demand
		21-04-20	03:15	25-4-20	10:40	GT tripped due to excitation trouble
		10-05-20	12:45	22-05-20	13:33	Low down
		23-05-20	5:40	23-05-20	09:45	Unit tripped due to failure of controller and I/O Pack
		26-05-20	12:45	26-05-20	13:30	Unit tripped due to fuse failure of field devices
		29-05-20	01:30	06-06-20	14:12	Low Demand
		06-06-20	18:10	09-06-20	13:40	Low Demand
		10-06-20	19:30	12-06-20	12:48	Low Demand
		07-07-20	9:00	07-07-20	12:18	To attend hot spot on R Phase Bus Isolator in 66 Kv switchyard and C&I I/O pack problem.
		29-07-20	15:45	16.08.20	02:50	Low demand
		16.08.20	12:00	27.08.20	10:52	Low demand
		01.10.20	0:00	13.10.20	10:08	Low demand
		24.10.20	17:43	05.11.20	10:46	Low demand
		09.11.20	7:50	09.11.20	9:53	Unit tripped due to tripping of both 160 MVA transformers
		09.11.20	9:53	30.11.20	23:59	Low demand
		01.12.20	0:00	05.12.20	0:00	Low demand
		09.12.20	17:00	18.12.20	1:18	Low demand
		23.12.20	12:30	08.01.21	9:31	Low demand
		13.01.21	16:50	13.01.21	17:10	Unit tripped due to heavy jerk in system
		20.01.21	12:30	17.02.21	10:10	Low demand
		21.02.21	19:11	23.02.21	11:50	Low demand
		23.02.21	12:45	01.03.21	11:52	Low demand
		01.03.21	12:35	25.03.21	13:28	Low demand
		28.03.21	18:48	28.03.21	19:52	Unit tripped due to tripping of both 160 MVA transformers.

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	30	1-4-20	0:00	1-4-20	4:51	Low Demand
		16-4-20	15:30	16-4-20	16:05	GT tripped due to excitation trouble
		16-4-20	16:05	17-4-20	8:00	Low Demand
		17-4-20	11:40	17-4-20	13:30	GT tripped due to excitation trouble
		17-4-20	13:30	21-4-20	04:06	Low Demand
		25-4-20	10:10	25-4-20	10:40	Low Demand
		25-4-20	10:40	06-05-20	20:09	Low Demand
		22-5-20	11:52	22-5-20	18:33	Unit tripped due to tripping of both 160 MVA IBT Txs
		06-06-20	13:43	06-06-20	17:25	Unit tripped due to start up fuel flow excessive trip and loss of flame trip.
		29-07-20	15:46	21.08.20	16:39	Low demand
		21.08.20	16:45	27.08.20	10:06	Low demand
		13.10.20	11:45	13.10.20	13:45	Unit stopped due to Heavy smoke observe in load gear compartment
		13.10.20	13:45	24.10.20	16:58	Low demand
		05.11.20	11:50	09.11.20	9:53	Low demand
		09.11.20	11:20	09.11.20	11:50	Unit tripped due to AVR problem
		05.12.20	12:32	05.12.20	14:30	Unit stopped to change GT filters
		05.12.20	14:30	09.12.20	15:54	Low demand
		08.01.21	10:40	08.01.21	11:15	Low demand
		08.01.21	12:15	19.01.21	12:30	Low demand
		19.01.21	15:30	20.01.21	11:15	Low demand
		08.02.21	17:02	17.02.21	11:25	Low demand
		17.02.21	12:21	01.03.21	12:30	Low demand
		25.03.21	12:22	25.03.21	13:28	Unit tripped due to failure of Lightening Arrestor (LA) of 7.5 MVA auxiliary transformer at GTPS, and due to which both 160 MVA transformers also tripped at GTPS end.
		25.03.21	13:28	30.03.21	12:00	Low demand
		31.03.21	17:30	31.03.21	18:26	Low demand
3	30	01-04-20	0:00	30.03.21	15:35	Low Demand
		31.03.21	17:30	31.03.21	23:59	Low demand
4	30	01-04-20	0:00	06.02.21	14:16	Low Demand
		06-02-21	14:22	30.03.21	15:35	Low demand
		31.03.21	17:30	31.03.21	23:59	Low demand
5	30	01-04-20	0:00	22-05-20	16:57	Low Demand
		22-05-20	19:58	27-07-20	18:35	Low Demand
		13.08.20	9:35	13.08.20	17:04	Unit tripped on high TAD
		16.08.20	5:55	16.08.20	11:18	Low demand
		27.08.20	13:24	08.02.21	11:05	Low demand
		08.02.21	12:23	13.02.21	4:55	Low demand
		17.02.21	13:34	21.02.21	20:05	Low demand
		21.02.21	20:10	30.03.21	15:35	Low demand
		31.03.21	17:30	31.03.21	23:59	Low demand

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
6	30	01-04-20	0:00	24-05-20	19:00	Low Demand
		29-5-20	1:30	27-07-20	18:06	Low demand
		24.08.20	14:45	24.08.20	15:13	GT out due to 11 Kv breaker SF6 gas pressure low
		24.08.20	16:45	24.08.20	18:11	GT out due to 11 Kv breaker SF6 gas pressure low
		27.08.20	13:10	08.02.21	12:15	Low demand
		13.02.21	6:22	21.02.21	16:11	Low demand
		01.03.21	14:50	30.03.21	15:35	Low demand
		31.03.21	17:30	31.03.21	23:59	Low demand
STG-1	30	1-4-20	1:52	1-4-20	8:24	Tripped due to operation of channel-1 & channel -II tripping
		16-4-20	15:30	16-4-20	18:36	STG stopped due to tripping of GT#2
		17-4-20	11:40	17-4-20	14:05	STG stopped due to tripping of GT#2
		21-4-20	3:15	21-4-20	06:08	STG stopped due to tripping of GT#1
		25-4-20	10:10	25-4-20	11:15	STG stopped due to tripping of GT#1
		22-5-20	11:52	22-5-20	19:36	Unit tripped due to Grid disturbance
		06-06-20	13:43	06-06-20	15:46	Unit tripped due to GT#2 tripped.
		07-07-20	09:00	07-07-20	12:48	STG out due to GT#1 outage
		29-07-20	15:46	16.08.20	5:45	Low demand
		16.08.20	12:00	27.08.20	12:58	Low demand
		02.09.20	10:22	02.09.20	11:05	unit out due to C& I problem
		07.09.20	7:16	07.09.20	13:05	Unit stopped to attend oil leakage in flexible pipe of control valve.
		09.09.20	15:31	09.09.20	16:16	Unit stopped to attend oil leakage in flexible pipe of control valve.
		20.10.20	3:55	20.10.20	9:05	Unit tripped due to low condensor vaccum
		09.11.20	7:50	09.11.20	9:53	Unit tripped due to tripping of both 160 MVA transformers
		10.11.20	13:30	10.11.20	18:13	Unit stopped to attend ESV oil leakage.
		13.11.20	14:24	13.11.20	16:24	Unit tripped due to Channel-1 & 2 trippings
		03.01.21	23:18	04.01.21	5:22	Unit tripped due to tripping of 800 KVA transformer
		13.01.21	16:50	13.01.21	17:55	Unit tripped due to heavy jerk in system
		08.02.21	15:53	17.02.21	13:17	Low demand
		19.02.21	15:07	19.02.21	15:47	Unit tripped due to class A relay operated
		23.02.21	15:30	01.03.21	14:24	Low demand
		01.03.21	23:01	01.03.21	23:34	Unit tripped due to faults pertain to channel I & II trippings
		02.03.21	0:38	02.03.21	1:32	Unit tripped due to faults pertain to channel I & II trippings
		02.03.21	8:47	02.03.21	10:26	Unit tripped due to trip oil presuure very low
		05.03.21	16:18	05.03.21	16:59	Unit tripped due to faults pertain to channel I & II trippings
		22.03.21	1:11	22.03.21	2:23	Unit tripped at condenser vacuum level low
		25.03.21	12:22	25.03.21	15:18	Unit tripped due to failure of Lightening Arrestor (LA) of 7.5 MVA auxiliary transformer at GTPS, and due to which both 160 MVA transformers also tripped at GTPS end.
		28.03.21	18:48	28.03.21	20:48	Unit tripped due to tripping of both 160 MVA transformers.
		31.03.21	17:30	31.03.21	20:18	Low demand

STG-2	**30**	01-04-20	0:00	30.03.21	15:35	Low Demand
		31.03.21	17:30	31.03.21	23:59	Low demand
STG-3	**30**	01-04-20	0:00	24-05-20	23:09	Low Demand
		24-05-20	23:22	25-05-20	02:49	Unit out due to high turbine Vibration
		29-05-20	1:30	27-07-20	24:00	Low Demand
		13.08.20	9:45	13.08.20	11:07	Unit tripped on Low consendor Vaccum
		15.08.20	18:55	16.08.20	10:45	unit tripped due to heavy jerk occurd in control room
		19.08.20	10:35	19.08.20	16:55	unit tripped on alarm CH-I, CH-II Class-A trip realy .
		27.08.20	13:24	08.02.21	14:33	Low demand
		08.02.21	14:45	08.02.21	15:39	Unit tripped due to tripped oil low
		08.02.21	16:17	08.02.21	17:32	Low demand
		13.02.21	3:35	13.02.21	7:34	Unit tripped due to condenser vacuum very low
		14.02.21	8:03	14.02.21	9:12	Unit tripped due to condenser vacuum very low
		17.02.21	13:34	17.02.21	14:30	Low demand
		17.02.21	16:00	21.02.21	18:44	Low demand
		01.03.21	0:00	30.03.21	15:35	Low demand
		31.03.21	17:30	31.03.21	23:59	Low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.04.20	00:00	17.04.20	17:33	GT-1 started swat GT-2
		17.04.20	16:24	30.04.20	24:00	GT-1 stopped
		02.05.20	07:09	02.05.20	10:45	To attend hot spot
		20.05.20	14:20	22.05.20	09:00	GT-1 started swat GT-2
		22.05.20	09:00	25.05.20	21:00	Shut-down for planned maintenance
		25.05.20	21:00	26.05.20	12:04	GT-1 started swat GT-2
		06.06.20	16:52	06.06.20	21:00	GT-1 started swat GT-2
		06.06.20	21:00	07.06.20	12:00	Internal Fault
		07.06.20	12:00	12.06.20	13:50	Low demand
		21.07.20	02:24	27.07.20	15:08	Low demand
		12.08.2020	23:12	13.08.20	10:28	GT#1was stopped and started as desired by SLDC
		04.09.20	19:21	04.09.20	20:39	GT#1 tripped on internal Fault
		04.09.20	21:02	04.09.20	23:01	GT#1 tripped on same trouble.
		04.09.20	23:01	11.09.20	15:08	GT#1 remained stopped due to non -schedule by SLDC and started to swap GT#2
		12.09.20	15:44	14.09.20	15:04	GT#1 started as per SLDC demand.
		24.09.20	14:40	28.09.20	06:00	GT#1 stopped on Fuel gas supply stopped by GAIL and started on Gas supply resumed.
		28.09.20	06:00	12.10.20	12:00	GT#1 remained stopped due to non -schedule by SLDC. Outage continued……
		12.10.2020	12:00	19.11.2020	21:21	GT#1 taken for planned maint. (HGPI)
		19.11.2020	22:30	20.11.2020	18:08	GT#1stopped due to non-scheduling and started.
		23.11.2020	18:22	23.11.2020	22:00	GT#1 stopped due to internal Fault
		20.11.2020	22:00	26.11.2020	14:30	GT#1 remain stopped due to non-scheduling and started to swap GT#2.
		12.12.20	23:13	24.12.20	06:34	GT#1 swapped by GT#2.
		13.01.2021	16:49	13.01.2021	18:34	GT#1 tripped on internal Fault.
		13.01.2021	19:24	13.01.2021	20:15	GT#1 tripped on internal Fault.
		17.02.21	18:26	17.02.21	19:06	GT#1 tripped on internal Fault.
		25.02.21	14:40	25.02.21	17:46	GT#1 & STG stopped for installation of RGMO/FGMO
		14.03.21	00:13	16.03.21	17:52	GT#1 stopped due to non-scheduling on open-cycle generation.
		24.03.21	22:31	25.03.21	00:21	GT#1 & STG tripped on Internal Fault
		28.03.21	18:43	28.03.21	19:47	GT#1 tripped on Grid-Disturbance.
2	104	17.04.19	18.47	18.04.19	12.45	Tripped on internal fault.
		01.05.20	00:00	20.05.20	12:00	GT-2 started swat GT-1
		22.05.20	12:50	22.05.20	14:00	Due to Grid Disturbance
		27.05.20	00:07	06.06.20	15:28	Low demand
		28.07.20	12:57	31.07.20	19:23	Low demand
		12.08.2020	23:12	13.08.20	10:28	GT#1was stopped and started as desired by SLDC
		01.09.20	00:00	04.09.20	17:53	…… Continued Outage. GT#2 stopped & as desired by SLDC.
		11.09.20	16:34	11.09.20	23:00	GT#2 stopped due to internal Fault
		11.09.20	23:00	24.09.20	14:32	GT#2 started to swap GT#1
		24.09.20	15:40	28.09.20	01:09	GT#2 started to swap GT#1
		19.11.2020	20:36	23.11.2020	16:33	GT#1stopped due to non-scheduling and started.
		26.11.2020	15:46	12.12.20	21:51	GT#2 swapped by GT#1. Outage continued…….
		17.12.20	08:28	17.12.20	12:20	GT#2 tripped on internal Fault.
		24.12.20	23:34	25.02.21	14:24	GT#2 stopped due to non-scheduling. Outage continued…….
		25.02.21	18:24	25.03.21	08:00	GT#2 stopped due to non-scheduling. Outage continued…….
		25.03.21	08:00	31.03.21	23:59	GT#2 remained under planned maintenance for hot gas leakage/ Diverter dmaper. Outage continued…

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG	122	02.05.20	07:13	02.05.20	12:25	To attend hot spot
		20.05.20	14:48	20.05.20	16:46	STG tripped due to Grid Disturbance
		22.05.20	11:52	22.05.20	18:16	STG tripped due to Grid Disturbance
		24.05.20	06:23	24.05.20	07:33	Internal fault
		10.06.20	17:57	10.06.20	23:33	Due to Grid Disturbance
		01.09.20	13:20	01.09.20	15:02	STG tripped on internal Fault
		24.09.20	15:41	28.09.20	16:32	STG tripped on internal Fault
		07.12.20	06:38	07.12.20	07:44	STG tripped on Grid-Disturbance.
		13.12.20	13:30	13.12.20	15:52	STG stopped and started as required by DTL.(Due to bay equipment testing at 220 kV Pragati)
		17.12.20	08:28	17.12.20	13:55	STG tripped on GT#2 tripped.
		13.01.2021	19:49	13.01.2021	20:14	STG tripped on GT#1 tripped.
		17.02.21	18:26	17.02.21	19:58	STG tripped on GT#1 tripped.
		25.02.21	14:40	25.02.21	18:58	STG tripped on GT#1 tripped.
		14.03.21	00:13	16.03.21	22:10	STG tripped on internal Fault
		24.03.21	22:31	25.03.21	01:38	STG tripped on internal Fault
		28.03.21	18:43	28.03.21	21:21	STG tripped on Grid-Disturbance.

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	27.06.20	23:10	28.06.20	18:00	Unit tripped due to fault in Thyristor Bridge Excitation Transformer
		19.07.20	09:00	19.07.20	14:00	GT#1 unloaded on high filter D.P. protection due to bad weather
		22.07.20	12:01	22.07.20	16:10	GT#1 unloaded on high filter D.P. protection due to bad weather
		23.07.20	04:32	23.07.20	08:40	GT#1 unloaded on high filter D.P. protection due to bad weather
		31.07.20	09:00	31.07.20	17:16	Unit tripped on high exhaust temperature Spread Trip
		09.08.20	04:23	09.08.20	12:08	GT#1 unloaded on high filter D.P. protection due to bad weather.
		9.9.20	13:04	9.9.20	13:57	Drop in gas pressure at Gail end cause unit tripping.
		18.9.20	15:01	18.9.20	16:22	Malfunction of Gas valve at PPCL end cause unit tripping.
		7.12.20	05:17	7.12.20	12:43	GT unloaded on high filter D.P. protection due to bad weather.
		29.1.21	01:52	29.1.21	02:42	GT#1 tripped @ 0152 hrs. due to combustion trouble & Synd.@ 0242 hrs
		29.1.21	03:19	29.1.21	06:56	Unit tripped on loss of LT supply
		9.2.21	07:05	9.2.21	12:23	GT unloaded on high filter D.P. protection due to bad weather.
		12.2.21	23:32	13.2.21	13:50	GT unloaded on high filter D.P. protection due to bad weather.
		20.2.21	09:00	20.2.21	16:00	Dense foggy conditions caused tracking on Bus post insulator

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
2	216	28.06.20	00:00	28.06.20	18:00	Unit take out of DC due to no back up supply
		10.07.2020	18:16	10.07.20	21:13	Failure of TK-2 Fan motor resulted in tripping of LT supply causing tripping of all auxiliaries including Lube Oil pumps of GT. GT#2 tripped on low lube oil pressure.
		22.07.20	04:29	22.07.20	18:30	GT#2 unloaded on high filter D.P. protection due to bad weather
		11.08.20	06:44	11.08.20	07:51	GT#2 unloaded on high filter D.P. protection due to bad weather.
		13.08.20	02:30	14.08.20	09:00	GT#2 unloaded on high filter D.P. protection due to bad weather
		2.9.20	00:00	24.9.20	14:10	DC of GT#2 taken out due to HGPI.
		2.10.20	00:00	19.10.20	04:30	DC of GT#2 taken out due to HGPI.
		1.12.20	03:41	1.12.20	13:58	GT#2 tripped @ 0341 hrs. due to Generator rotor earth fault .
		7.12.20	04:58	7.12.20	17:30	GT unloaded on high filter D.P. protection due to bad weather.
		16.12.20	06:42	16.12.20	14:12	GT#2 unloaded on high filter DP @ 7.15, at 0642 Hrs.
		13.2.21	01:31	13.2.21	12:55	GT unloaded on high filter D.P. protection due to bad weather.
		20.2.21	09:00	20.2.21	16:00	Dense foggy conditions caused tracking on Bus post insulator
3	216	26.05.20	16:11	26.05.20	20:32	Unit tripped on closing of ASV along with ½ STG
		16.10.20	12:40	16.10.20	13:55	Unit Tripped due to opening of Generator circuit breaker and unit came on FSNL
		28.10.20	14:16	28.10.20	15:24	Unit stopped to change the UPS by C&I deptt.
		8.11.20	11:30	8.11.20	16:08	To attend the IBH problem.
		12.12.20	22.06	13.12.20	13:00	GT unloaded on high filter D.P. protection due to bad weather.
		12.1.21	09:22	12.1.21	10:46	GT unloaded on high filter D.P. protection due to bad weather.
		19.2.21	05:52	19.2.21	16:20	GT unloaded on high filter D.P. protection due to bad weather.
		20.2.21	03:39	20.2.21	16:00	GT unloaded on high filter D.P. protection due to bad weather.
4	216	13.06.20	14:00	14.06.20	06:49	To attend fault on Bus-1 'R' Phase
		12.12.20	04:36	12.12.20	12:13	GT#4 unloaded @ 0436 Hrs.due to high filter DP
		20.2.21	06:47	20.2.21	16:00	GT unloaded on high filter D.P. protection due to bad weather.
STG -1	254	27.06.20	00:00	28.06.20	00:00	½ STG taken out due to outage of GT-1.
		28.06.20	00:00	28.06.00	18:00	STG is taken out out due to non availability of GT-1 & 2
		05.07.20	15:24	05.07.20	17:30	GT#1 Diverter damper closed due to failure of Trip Solenoid
		10.07.20	18:21	10.07.20	22:13	Half STG taken out due to outage of GT#2
		19.07.20	09:00	19.07.20	14:00	Half STG taken out due to outage of GT#1
		22.07.20	04:29	22.07.20	18:30	Half STG taken out due to outage of GT#2
		22.07.20	12:01	22.07.20	16:10	Half STG taken out due to outage of GT#1
		23.07.20	04:36	23.07.20	10.18	Half STG taken out due to outage of GT#1
		30.07.20	10:35	30.07.20	15:37	STG stopped due to problem in Y phase LA of STG 1 Transformer
		31.07.20	09:00	31.07.20	19:56	Half STG taken out due to outage of GT#1
		01.08.20	15.45	01.08.20	20:00	Desynchronise due to (HFW007) valve closed in heavy rain.
		09.08.20	04:23	09.08.20	12:08	Half STG taken out due to outage of GT#1.
		11.08.20	06:45	11.08.20	09:04	Half STG taken out due to outage of GT#2.
		13.08.20	02:30	14.08.20	09:00	Half STG taken out due to outage of GT#2.

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
STG -1	254 (Contd.)	2.9.20	00:00	24.9.20	14:10	DC of 1/2 STG#1 taken out due to HGPI of GT#2.
		9.9.20	13:04	9.9.20	14:34	DC of 1/2 STG #1 taken out due to outage of GT#1.
		18.9.20	15:03	18.9.20	16:46	DC of 1/2 STG#1 taken out due to outage of GT#1.
		2.10.20	00:00	19.10.20	04:30	DC of 1/2 STG#1 taken out due to HGPI of GT#2.
		1.12.20	03:41	1.12.20	15:45	DC of 1/2 STG taken out due to outage of GT#2.
		7.12.20	04:58	7.12.20	19:01	DC of 1/2 STG taken out due to outage of GT#2.
		7.12.20	05:17	7.12.20	15:42	DC of 1/2 STG taken out due to outage of GT#1.
		10.12.20	02:00	11.12.20	00:40	STG#1 taken out from DC W.E.F.0200 HRS. Due to Lube Oil leakage.
		16.12.20	06:42	16.12.20	14:12	DC of 1/2 STG taken out due to outage of GT#2.
		29.1.21	01:52	29.1.21	14:25	STG#1 undergone forced outage due to damage in diaphragm
		9.2.21	07:05	9.2.21	13:50	DC of 1/2 STG taken out due to outage of GT#1.
		12.2.21	23:32	13.2.21	13:50	DC of 1/2 STG taken out due to outage of GT#1.
		13.2.21	01:38	13.2.21	16:13	DC of 1/2 STG taken out due to outage of GT#1.
		20.2.21	09:00	20.2.21	16:00	Non availability of GTs due to dense foggy conditions.
		25.2.21	19:40	26.2.21	02:35	Hydraulic pump supply MCB failed resulting in closure of damper and STG taken out to attend fault.
		24.3.21	09:00	31.3.21	00:00	Condenser Cleaning of STG-1 .
STG -2	254	21.05.20	16:41	21.05.20	17:51	Unit tripped due to Main Steam Temperature low
		26.05.20	16:11	26.05.20	21:30	Unit tripped on closing of ASV along with ½ GT-3
		13.06.20	14:00	14.06.20	06:49	½ STG taken out due to outage of GT-4
		29.06.20	02:16	29.06.20	04:18	Unit tripped on Pulse Failure in Channel-I & II due to UC voltage
		09.07.20	13:30	28.09.20	23.59	STG#2 taken out due to suspected stator earth fault
		5.10.20	10:00	7.10.20	23:59	Unit taken out of DC to check high vibration at exciter end.
		16.10.20	12:40	16.10.20	14:15	Unit Tripped due to opening of Generator circuit breaker and unit came on FSNL
		28.10.20	14:16	28.10.20	16:02	Unit stopped to change the UPS by C&I deptt.
		8.11.20	11:30	8.11.20	16:45	DC of 1/2 STG taken out due to outage of GT#3.
		12.12.20	04:36	13.12.20	12:13	DC of 1/2 STG taken out due to outage of GT#4.
		12.12.20	22.06	13.12.20	13:00	DC of 1/2 STG taken out due to outage of GT#3.
		21.12.20	11:19	21.12.20	12:09	Unit tripped on internal fault.
		12.1.21	09:22	12.1.21	15:29	DC of 1/2 STG taken out due to outage of GT#3.
		17.2.21	07:33	17.2.21	14:21	DC of 1/2 STG taken out due to outage of GT#1.
		19.2.21	05:52	19.2.21	17:28	DC of 1/2 STG taken out due to outage of GT#1.
		20.2.21	03:39	20.2.21	16:00	DC of 1/2 STG taken out due to outage of GT#1.
		20.2.21	06:47	20.2.21	16:00	DC of 1/2 STG taken out due to outage of GT#1.
		9.3.21	09:00	17.3.21	00:00	Condenser Cleaning of STG-2 .
		28.3.21	04:10	28.3.21	05:32	Unit tripped on AVR fault.
		29.3.21	21:27	30.3.21	00:39	STG# 2 Tripped due to AVR fault

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCTION OF DELHI AND DISCOMS (IN MW) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
GAS TURBINE	270	100	270	**164.39**	**23.13**	**81.48**	**0.00**	**0.00**	**1.00**	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
TOTAL	**2020**		**1739.3**	**701.1**	**334.6**	**456.4**	**201.3**	**45.0**	**1.00**	**0.0**
CENTRAL SECTOR GENERATION										
NTPC STATIONS										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
Kahalgaon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaon-II(From ER)	1500	10.49	157.35	69	40	48	0	0		
TOTAL NTPC	**15722**		**3221.98**	**1581**	**602**	**914**	**125**	**0**	**0**	**0**
NHPC (HYDRO)										
Baira Suil HPS	180	11.00	19.80	8.7	5.0	6.1	0	0		
Salal HPS	690	11.62	80.18	59.8	20.4	0	0	0		
Tanakpur HEP	94	12.81	12.07	5.30	3.07	3.70	0	0		
Chamera HEP	540	7.90	42.66	18.7	10.8	13.1	0	0		
Chamera-II HEP	300	13.33	39.99	17.6	10.2	12.3	0	0		
Chamera-III HEP	231	12.73	29.42	12.9	7.5	9.0	0	0		
URI-I HEP	480	11.04	52.99	23.3	13.5	16.3	0	0		
URI -II HEP	240	13.45	32.28	14.2	8.2	9.9	0	0		
Sewa HEP	120	13.33	16.00	7.02	4.06	4.91	0	0		
Dhauli Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
Total NHPC	**4065**		**478.61**	**234.81**	**121.6**	**122**	**0**	**0**	**0**	**0**

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
Nathpa Jhakri HEP	**1500**	**9**	**142.05**	**62**	**36**	**44**	**0**	**0**		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	**1400**		**102.44**	**71.01**	**0**	**31.4**	**0**	**0**	**0**	**0**
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
NPC (NUCLEAR)										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	**880**		**102.83**	**57**	**14**	**32**	**0**	**0**	**0**	**0**
Allocation from ER										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8)			**300.00**	**131.00**	**82.00**	**83.76**				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	**4980**		**875.49**	**254**	**426**	**192**	**0**	**0**	**0**	**0**
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.00		119					
Methan(Th)	1050		281.25			281				
Surya Kanta(Hyd)			14.00			14				
Nanti Hydro			11.45			11				
Tutikoren(LT-61)			50.00	50						
SECI			60.00	20	20	20				
RUMS - DMRC			99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)			**90.00**			**90**				
Teranda (HYD)(From 08.1.2020)			**12.65**			**12.65**				
BRBCL (From 15.01.2020)			**5.00**							5
JIPTL			9.46							9.46
TOTAL	2870		**875.81**	**117**	**166**	**579**	**0**	**0**	**0**	**14.46**
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.46

B) ALLOCTION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
STATE GENERATING STATIONS										
GAS TURBINE	270	100	270	**60.89**	**8.57**	**30.18**	**0.00**	**0.00**	**0.37**	
PRAGATI	330	100	330	28.29	16.07	19.28	30.30	6.06		
BAWANA CCGT	1371	80	1097	38.91	22.50	27.19	9.13	2.28		
EDWPCL(WEP)	12	49	6	0.00	100.00	0.00	0.00	0.00		
Bawana(WEP)	24	100	24	41.81	23.90	29.20	5.09	0.00		
TOWMCL(WEP)	13	97	12.63	50.00	0.00	47.15	0.00	0.00	0.00	
TOTAL	**2020**		**1739.31**	**40.31**	**19.24**	**26.24**	**11.57**	**2.58**	**0.06**	**0.00**
CENTRAL SECTOR GENERATION										
NTPC STATIONS										
Singrauli STPS	2000	7.50	150.00	19.76	49.56	30.68	0.00	0.00		
Rihand Stage-I	1000	10.00	100.00	69.32	0.00	30.68	0.00	0.00		
Rihand Stage -II	1000	12.60	126.00	43.92	25.40	30.68	0.00	0.00		
Rihand Stage-III	1000	13.19	131.91	59.26	40.74	0.00	0.00	0.00		
ANTA GPS	419	10.50	44.00	43.92	25.40	30.68	0.00	0.00		
Auriya GPS	663.36	10.86	72.04	43.92	25.40	30.68	0.00	0.00		
Dadri GPS	829.78	10.96	90.94	43.92	25.39	30.68	0.00	0.00		
Dadri (Th)-I	840	90.00	756.00	73.98	8.17	1.32	16.53	0.00		
Dadri (Th) -II	980	74.24	727.53	74.60	24.03	1.37	0.00	0.00		
Unchahaar-I TPS	420	5.71	23.98	43.92	25.39	30.68	0.00	0.00		
Unchahaar-II TPS	420	11.19	47.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-III TPS	210	13.81	29.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	1.44	9.99	88.57	0.00	0.00		
Farakka	1600	1.39	22.24	43.92	25.40	30.68	0.00	0.00		
Kahalgaon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaon-II	1500	10.49	157.35	43.92	25.40	30.68	0.00	0.00		
TOTAL NTPC	**15722**		**3221.98**	**49.06**	**18.70**	**28.37**	**3.88**	**0.00**	**0.00**	**0.00**
NHPC (HYDRO)										
Baira Suil HPS	180	11.00	19.80	43.92	25.40	30.68	0.00	0.00		
Salal HPS	690	11.62	80.18	74.60	25.40	0.00	0.00	0.00		
Tanakpur HEP	94	12.81	12.07	43.92	25.40	30.68	0.00	0.00		
Chamera HEP	540	7.90	42.66	43.92	25.40	30.68	0.00	0.00		
Chamera-II HEP	300	13.33	39.99	43.92	25.40	30.68	0.00	0.00		
Chamera-III HEP	231	12.73	29.42	43.92	25.40	30.68	0.00	0.00		
URI-I HEP	480	11.04	52.99	43.92	25.40	30.68	0.00	0.00		
URI -II HEP	240	13.45	32.28	43.92	25.40	30.68	0.00	0.00		
Sewa HEP	120	13.33	16.00	43.92	25.40	30.68	0.00	0.00		
Dhauli Ganga HEP	280	13.21	36.99	43.92	25.40	30.68	0.00	0.00		
Dulhasti HEP	390	12.83	50.04	43.92	25.40	30.68	0.00	0.00		
Parbati-III HEP	520	12.73	66.20	43.92	25.40	30.68	0.00	0.00		
Total NHPC	**4065**		**478.60734**	**49.06**	**25.40**	**25.54**	**0.00**	**0.00**		

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	MES	RPH	NR
Nathpa Jhakri HEP	**1500**	**9**	**142.05**	**43.92**	**25.40**	**30.68**	**0.00**	**0.00**		
Tehri Hydro	1000	6.30	63.00	69.32	0.00	30.68	0.00	0.00		
Koteshwar HEP	400	9.86	39.44	69.32	0.00	30.68	0.00	0.00		
Total THDC	**1400**		**102.44**	**69.32**	**0.00**	**30.68**	**0.00**	**0.00**		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
NPC (NUCLEAR)										
Narora APS	440	10.68	46.99	69.32	0.00	30.68	0.00	0.00		
RAPP (C)	440	12.69	55.84	43.92	25.40	30.68	0.00	0.00		
TOTAL NPC	**880**		**102.828**	**55.53**	**13.79**	**30.68**	**0.00**	**0.00**	**0.00**	**0.00**
Allocation from ER										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
SASAN	**3960**	**11.25**	**445.50**	**14.83**	**69.83**	**15.34**	**0.00**	**0.00**		
DVC(CTPS7 &8)			**300.00**	**44.14**	**27.63**	**28.22**				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	**4980**		**875.488**	**29.03**	**48.67**	**21.93**	**0.00**	**0.00**	**0.00**	**0.00**
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-7(Th)	500		119.00		100.00					
Methan(Th)	1050		281.25			100.00				
Surya Kanta(Hyd)			14.00			100.00				
Nanti Hydro			11.45			100.00				
Tutikoren			50.00	100.00						
SECI			60.00	32.93	33.78	33.29				
RUMS - DMRC			99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)			90.00			100.00				
Teranda (HYD) (From 08.1.2020)			**12.65**			100.00				
BRBCL (From 15.01.2020)			**5.00**							100
JIPTL			9.46							100
TOTAL	2870		875.81	**13.39**	**18.90**	**66.06**	**0.00**	**0.00**	**0.00**	**200.0**
Total	33445		7540	**40.83**	**22.55**	**31.45**	**4.33**	**0.60**	**0.01**	**0.19**

5 POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND MET DURING MARCH 2021

Date	Time of peak demand		Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.34.18	30	156	567	10	0	17	780	2669	2670	-1	3449	0	3449
2	10.01.01	28	158	588	12	0	18	804	2690	2771	-81	3494	0	3494
3	10.00.26	39	157	649	13	5	16	879	2685	2696	-10	3564	0	3564
4	10.18.25	38	155	507	18	5	17	740	2769	2713	56	3509	0	3509
5	11.03.37	38	154	506	17	3	15	733	2968	2781	187	3701	0	3701
6	10.01.01	38	157	449	17	2	16	679	2612	2647	-35	3291	0	3291
7	11.00.49	37	153	449	17	0	17	673	2585	2521	64	3258	0	3258
8	10.17.05	39	157	496	17	5	18	732	2785	2749	36	3517	0	3517
9	10.19.53	38	154	500	18	8	18	736	2915	2796	119	3651	0	3651
10	11.33.54	37	153	494	18	4	17	723	2986	2872	114	3709	0	3709
11	10.01.13	39	153	492	17	-1	16	716	2915	2985	-70	3631	0	3631
12	10.00.19	40	157	493	18	0	17	725	2956	2897	59	3681	0	3681
13	10.56.03	39	155	493	18	4	16	725	2627	2606	21	3352	0	3352
14	11.00.00	39	0	489	16	4	16	564	2687	2649	38	3251	0	3251
15	10.01.11	40	-1	495	18	6	16	574	2972	2915	57	3546	0	3546
16	10.32.37	40	-1	492	19	9	17	576	3017	2976	41	3593	0	3593
17	11.23.41	37	155	492	16	5	18	723	2889	2868	21	3612	0	3612
18	11.29.37	38	155	490	18	0	17	718	2946	2805	141	3664	0	3664
19	10.39.00	38	156	493	18	1	17	723	2961	2946	15	3684	0	3684
20	19.01.05	40	154	490	5	3	15	707	2747	2703	44	3454	0	3454
21	12.03.59	36	152	491	4	5	117	805	2667	2562	105	3472	0	3472
22	11.04.16	39	156	494	4	3	15	711	2945	2842	103	3656	0	3656
23	11.30.00	40	159	489	2	6	16	712	2900	2876	24	3612	0	3612
24	11.27.06	39	158	490	2	0	15	704	2922	2880	42	3626	3	3629
25	10.36.01	41	160	492	12	4	17	726	2801	2875	-74	3527	0	3527
26	10.54.17	23	158	491	12	7	13	704	2918	2891	27	3622	0	3622
27	10.08.26	22	156	491	12	6	16	703	2750	2670	80	3453	0	3453
28	11.00.00	22	152	495	12	5	17	703	2454	2456	-2	3157	0	3157
29	21.22.16	21	153	492	12	5	15	698	2133	1866	267	2831	0	2831
30	11.14.00	20	151	493	12	0	18	694	2695	2729	-34	3389	0	3389
31	10.58.18	0	154	490	12	3	14	673	2937	2928	9	3610	0	3610

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING MARCH 2021

Date	Time of peak demand		Generation within Delhi						Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	10.34.18	30	156	567	10	0	17	780	2669	2670	-1	3449	0	3449
2	10.01.01	28	158	588	12	0	18	804	2690	2771	-81	3494	0	3494
3	10.00.26	39	157	649	13	5	16	879	2685	2696	-10	3564	0	3564
4	10.18.25	38	155	507	18	5	17	740	2769	2713	56	3509	0	3509
5	11.03.37	38	154	506	17	3	15	733	2968	2781	187	3701	0	3701
6	10.01.01	38	157	449	17	2	16	679	2612	2647	-35	3291	0	3291
7	11.00.49	37	153	449	17	0	17	673	2585	2521	64	3258	0	3258
8	10.17.05	39	157	496	17	5	18	732	2785	2749	36	3517	0	3517
9	10.19.53	38	154	500	18	8	18	736	2915	2796	119	3651	0	3651
10	11.33.54	37	153	494	18	4	17	723	2986	2872	114	3709	0	3709
11	10.01.13	39	153	492	17	-1	16	716	2915	2985	-70	3631	0	3631
12	10.00.19	40	157	493	18	0	17	725	2956	2897	59	3681	0	3681
13	10.56.03	39	155	493	18	4	16	725	2627	2606	21	3352	0	3352
14	11.00.00	39	0	489	16	4	16	564	2687	2649	38	3251	0	3251
15	10.01.11	40	-1	495	18	6	16	574	2972	2915	57	3546	0	3546
16	10.32.37	40	-1	492	19	9	17	576	3017	2976	41	3593	0	3593
17	11.23.41	37	155	492	16	5	18	723	2889	2868	21	3612	0	3612
18	11.29.37	38	155	490	18	0	17	718	2946	2805	141	3664	0	3664
19	10.39.00	38	156	493	18	1	17	723	2961	2946	15	3684	0	3684
20	19.01.05	40	154	490	5	3	15	707	2747	2703	44	3454	0	3454
21	12.03.59	36	152	491	4	5	117	805	2667	2562	105	3472	0	3472
22	11.04.16	39	156	494	4	3	15	711	2945	2842	103	3656	0	3656
23	11.30.00	40	159	489	2	6	16	712	2900	2876	24	3612	0	3612
24	11.27.06	39	158	490	2	0	15	704	2922	2880	42	3626	3	3629
25	10.36.01	41	160	492	12	4	17	726	2801	2875	-74	3527	0	3527
26	10.54.17	23	158	491	12	7	13	704	2918	2891	27	3622	0	3622
27	10.08.26	22	156	491	12	6	16	703	2750	2670	80	3453	0	3453
28	11.00.00	22	152	495	12	5	17	703	2454	2456	-2	3157	0	3157
29	21.22.16	21	153	492	12	5	15	698	2133	1866	267	2831	0	2831
30	11.14.00	20	151	493	12	0	18	694	2695	2729	-34	3389	0	3389
31	10.58.18	0	154	490	12	3	14	673	2937	2928	9	3610	0	3610

7 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR MARCH 2021

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

A (i) RPH	0.000
(ii) GT+STG	27.860
(iii) PRAGATI	105.976
(iv) RITHALA	0.000
(v) BAWANA CCGT	380.902
(vi) Timarpur – Okhla	12.396
EDWPCL	3.741
DMSWL	14.183
TOTAL	545.058
B) AVAILABILITY FROM BTPS	-0.061
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	20.191
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**524.806**

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	3.544	3.421	3.544	3.421
SALAL	16.170	15.609	16.170	15.609
SASAN	306.580	295.979	306.580	295.979
TANKAPUR	0.000	0.000	0.000	0.000
CHAMERA	5.102	4.926	5.102	4.926
CHAMERA -II	5.048	4.874	5.048	4.874
CHAMERA -III	3.062	2.956	3.062	2.956
DHAULIGANGA	2.817	2.721	2.817	2.721
SEWA -2	0.000	0.000	0.000	0.000
URI	23.635	22.817	23.635	22.817
URI-II	2574.072	2485.067	1828.129	1764.962
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	9.531	9.201	9.531	9.201
PARBATI3	1.266	1.223	1.266	1.223
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	0.055	0.053	0.021	0.020
ANTA (RLNG)	21.017	20.291	0.000	0.000
ANTA (LIQUID)	10.443	10.082	0.000	0.000
DADRI (CRF)	0.000	0.000	0.000	0.000
DADRI (GAS)	0.000	0.000	0.000	0.000
DADRI (RLNG)	32.551	31.426	0.000	0.000
DADRI (LIQUID)	33.975	32.801	0.000	0.000
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	5.276	5.094	2.735	2.642
AURAIYA (RLNG)	21.466	20.723	0.470	0.453
AURAIYA (LIQUID)	24.576	23.728	0.000	0.000
SINGRAULI	93.255	90.028	92.066	88.880
SINGRAULI_HYDRO	0.590	0.570	0.590	0.570
RIHAND -I	67.468	65.138	65.529	63.268
RIHAND -II	82.762	79.897	81.639	78.815
RIHAND -III	87.728	84.703	86.827	83.834
UNCHAHAR-I	16.095	15.539	14.902	14.388
UNCHAHAR-II	31.666	30.572	29.311	28.300
UNCHAHAR-III	0.000	0.000	0.000	0.000
UNCHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	419.722	405.216	0.006	0.006
DADRI (TH) STAGE-II	493.534	476.453	424.925	410.243

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
BRBCL (NABIPUR-BIHAR)	2.938	2.836	2.905	2.804
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
NAPP	31.076	30.002	31.076	30.002
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	19.324	18.657	19.324	18.657
NATHPA JHAKRI	19.306	18.639	19.306	18.639
DULASTI	10.025	9.679	10.025	9.679
TEHRI	13.353	12.890	13.353	12.890
JHAJJAR	472.343	456.002	375.869	362.881
KHELGAON	25.296	24.422	24.310	23.471
KHELGAON-II	107.792	104.069	103.830	100.247
FARAKA	13.334	12.871	12.005	11.588
TALA	1.908	1.842	1.908	1.842
DVC	170.901	170.901	170.901	165.000
TUTICORIN - BRPL	7.186	7.186	7.186	6.938
MADHYA PRADESH	3.721	3.721	3.721	3.593
GUJRAT	0.000	0.000	0.000	0.000
KARNATAKA	2.570	2.570	2.570	2.480
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.000	0.000	0.000	0.000
BIHAR	0.000	0.000	0.000	0.000
DBPL (CHATTISHGARH)	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP-III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	11.026	11.026	11.026	10.645
TAMILNAIDU	0.000	0.000	0.000	0.000
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	5.184	5.184	5.184	5.005
ANDHRA	0.378	0.378	0.378	0.365
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR_MAHAN (MP)	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	198.220	198.220	198.220	191.381
DVC MEJIA (LT-08)(BYPL)	76.079	76.079	76.079	73.452
Acme_RUMS	10.501	10.501	10.501	10.138
Arinsun_RUMS	10.079	10.079	10.079	9.730
Mahindra_RUMS	9.634	9.634	9.634	9.301
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	16.499	16.499	16.499	15.929
HIMACHAL PRADESH	2.746	2.746	2.746	2.651
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	0.746	0.746	0.746	0.720
HARYANA (LT-05)	29.024	29.024	29.024	28.023
MP(SOLAR RUMS)	35.042	35.042	35.042	33.830
HP TPDDL (NANTI)	1.086	1.086	1.086	1.049
ALFANAR WIND(BRPL) GUJRAT	27.344	27.344	27.344	26.402
ALFANAR WIND(BYPL) (GUJRAT)	9.114	9.114	9.114	8.800
ASE4PL(ADANI GREEN ENERGY COMMISSION)	11.308	11.308	11.308	10.917
ALFANAR WIND(TPDDL)(GUJRAT)	9.111	9.111	9.111	8.798
ADHPL (HP)	0.000	0.000	0.000	0.000
ODHISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	0.240	0.240	0.240	0.232
RAJASTHAN(SOLAR) BRPL-LT36	3.690	3.690	3.690	3.562

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
RAJASTHAN(SOLAR) BYPL - LT-35	3.610	3.610	3.610	3.485
RAJASTHAN(SOLAR) TPDDL LT-31	3.598	3.598	3.598	3.474
HP TARANDA (RAILWAYS)	1.205	1.205	1.205	1.164
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-2.782	-2.782	-2.782	-2.880
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MEGHALAYA	-8.013	-8.013	-8.013	-8.300
TO KERALA	-65.843	-65.843	-65.843	-68.200
TO ODISHA	-10.434	-10.434	-10.434	-10.800
TO TAMILNAIDU	-321.629	-321.629	-321.629	-333.141
TO GOA	-30.988	-30.988	-30.988	-32.092
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	-21.549	-21.549	-21.549	-22.320
TO ARUNACHAL PRADESH	-10.532	-10.532	-10.532	-10.909
TO HIMACHAL PRADESH	-85.350	-85.350	-85.350	-88.408
TO GUJRAT	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	48.811	47.148	48.811	47.148
TO POWER EXCHANGE (IEX)	-169.772	-175.843	-169.772	-175.843
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)	-31.353	-32.474	-31.353	-32.474
TO SHARE PROJECT (PUNJAB)	-31.347	-32.468	-31.347	-32.468
REAL TIME MANAGEMENT (RTM)	26.804	25.900	26.804	25.900
TO REAL TIME MANAGEMENT (RTM)	-42.134	-43.651	-42.134	-43.651
TOTAL	**5013.433**	**4824.355**	**3521.546**	**3341.436**

AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWAL 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	1445.117	1395.150	801.925	774.224
NTPC - ER	146.422	141.362	140.145	135.306
NHPC	2644.741	2553.294	1898.798	1833.189
NPC	50.400	48.658	50.400	48.658
SASAN	306.580	295.979	306.580	295.979
KOTESHWAR	9.531	9.201	9.531	9.201
NATHPA JHAKRI	19.306	18.639	19.306	18.639
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
TEHRI	13.353	12.890	13.353	12.890
TALA	1.908	1.842	1.908	1.842
JHAJJAR	472.343	456.002	375.869	362.881
RAJASTHAN SOLAR(BRPL)T-36	3.690	3.690	3.690	3.562
RAJASTHAN SOLAR(BYPL)T-35	3.610	3.610	3.610	3.485
RAJASTHAN SOLAR(TPDDL)T-31	3.598	3.598	3.598	3.474
DVC	170.901	170.901	170.901	165.000
TUTICORIN BRPL	7.186	7.186	7.186	6.938
MADHYA PRADESH	3.721	3.721	3.721	3.593
GUJRAT	0.000	0.000	0.000	0.000
KARNATAKA	2.570	2.570	2.570	2.480
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI)CHATTISHGARH	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.000	0.000	0.000	0.000
BIHAR	0.000	0.000	0.000	0.000
DBPL (CHATTISHGARH)	0.000	0.000	0.000	0.000
MANIPUR	0.000	0.000	0.000	0.000
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP -III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	11.026	11.026	11.026	10.645
TAMILNAIDU	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	5.184	5.184	5.184	5.005
ANDHRA	0.378	0.378	0.378	0.365
DGEN (GUJRAT)	0.000	0.000	0.000	0.000
ESSAR_MAHAN (MP)	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	198.220	198.220	198.220	191.381
DVC MEJIA (LT-08)(BYPL)	76.079	76.079	76.079	73.452
Acme_RUMS	10.501	10.501	10.501	10.138
Arinsun_RUMS	10.079	10.079	10.079	9.730
Mahindra_RUMS	9.634	9.634	9.634	9.301
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	16.499	16.499	16.499	15.929
HIMACHAL PRADESH	2.746	2.746	2.746	2.651
JHABUA (MP)	0.000	0.000	0.000	0.000
GOA	0.000	0.000	0.000	0.000
KERALA	0.000	0.000	0.000	0.000
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HP LT-59 DVC(SURYA KANTA)	0.746	0.746	0.746	0.720
HARYANA (LT -05)	29.024	29.024	29.024	28.023
ADHPL (HP)	0.000	0.000	0.000	0.000
ODISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	0.240	0.240	0.240	0.232
MP(SOLAR RUMS)	35.042	35.042	35.042	33.830
HP TPDDL (NANTI)	1.086	1.086	1.086	1.049
HP TRANDA (RAILWAYS)	1.205	1.205	1.205	1.164
ALFANAR WIND(BRPL)	27.344	27.344	27.344	26.402
ALFANAR WIND(BYPL)	9.114	9.114	9.114	8.800
ASE4PL(ADANI GREEN ENERGY COMMISSION)	11.308	11.308	11.308	10.917
ALFANAR WIND(TPDDL)	9.111	9.111	9.111	8.798
POWER EXCHANGE(IEX)	48.811	47.148	48.811	47.148
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	26.804	25.900	26.804	25.900
TOTAL	**5845.158**	**5665.909**	**4353.271**	**4202.920**

AGENCY WISE BREAKUP OF ENERGY SCHEDULED BY NRLDC FOR EXPORT TO OTHER UTILITIES FROM DELHI

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
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTAR PRADESH	-2.782	-2.782	-2.782	-2.880
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO KERALA	-65.843	-65.843	-65.843	-68.200
TO MEGHALAYA	-8.013	-8.013	-8.013	-8.300
TO ORIDSHA	-10.434	-10.434	-10.434	-10.800
TO TAMILNAIDU	-321.629	-321.629	-321.629	-333.141
TO GOA	-30.988	-30.988	-30.988	-32.092
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	-21.549	-21.549	-21.549	-22.320
TO ARUNACHAL PRADESH	-10.532	-10.532	-10.532	-10.909
TO HIMACHAL PRADESH	-85.350	-85.350	-85.350	-88.408
TO GUJRAT	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-169.772	-175.843	-169.772	-175.843
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-31.353	-32.474	-31.353	-32.474
TO SHARE PROJECT (PUNJAB)	-31.347	-32.468	-31.347	-32.468
TO REAL TIME MANAGEMENT (RTM)	-42.134	-43.651	-42.134	-43.651
TOTAL	**-831.725**	**-841.554**	**-831.725**	**-861.484**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**5013.433**	**4824.355**	**3521.546**	**3341.436**

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs		2116.963
NET CONSUMPTION		**2096.772**
AVAILABILITY WITHIN DELHI		524.806
ACTUAL DRAWAL FROM THE GRID		1571.966
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-1769.470
LOAD SHEDDING		**0.391**
UNRESTRICTED DEMAND (GROSS)		2117.354
UNRESTRICTED DEMAND (NET)		2097.163
MAX. NET CONSUMPTION		**73.575 On 19.03.21**
MAX. LOAD SHEDDING		159 MW ON 28.03.2021 AT 18.45 HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	3709 MW AT 11.33.45 HRS ON 10.03.2021	NIL.
EVENING PEAK	3647 MW AT 19.00 HRS ON 19.03.2021	NIL

8. SHEDDING DETAILS DURING THE MONTH OF MARCH 2021.

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		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-03-21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**	**0.000**	**0.000**	**0.0000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATOIN			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01-03-21	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**
02-03-21	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**
03-03-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
04-03-21	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**
05-03-21	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**
06-03-21	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**
07-03-21	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**
08-03-21	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**
09-03-21	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**
10-03-21	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**
11-03-21	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**
12-03-21	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**
13-03-21	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**
14-03-21	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**
15-03-21	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**
16-03-21	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**
17-03-21	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**
18-03-21	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**
19-03-21	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**
20-03-21	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**
21-03-21	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**
22-03-21	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**
23-03-21	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**
24-03-21	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**
25-03-21	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**
26-03-21	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**
27-03-21	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**
28-03-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
29-03-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
30-03-21	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**
31-03-21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**
TOTAL	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**

ALL FIGURES IN MUs

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01-03-21	0.00000	0.00000	0.00056	0.00000	0.00000	0.00000	0.00060	0.00020	0.00000
02-03-21	0.00000	0.00000	0.05390	0.00000	0.00000	0.00000	0.00140	0.00390	0.00000
03-03-21	0.00000	0.00100	0.00000	0.00000	0.00000	0.00000	0.00500	0.00000	0.00000
04-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
05-03-21	0.00012	0.00000	0.00000	0.00000	0.00000	0.00000	0.00610	0.00010	0.00000
06-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00570	0.00150	0.00060	0.00000
07-03-21	0.00044	0.00085	0.00181	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
08-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
09-03-21	0.00285	0.00000	0.00000	0.00000	0.00000	0.00000	0.00230	0.00070	0.00000
10-03-21	0.00180	0.00032	0.00000	0.00000	0.00000	0.00250	0.00000	0.00010	0.00000
11-03-21	0.00009	0.00281	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000
12-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
13-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000
14-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00770	0.00028	0.00085	0.00000
15-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
16-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.005825	0.000138	0.00000
17-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.001283	0.00045	0.00000
18-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00053	0.00000	0.00009	0.00000
19-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00440	0.00060	0.00000
20-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02960	0.00100	0.00000
21-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00649	0.00000	0.00000
22-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00112	0.00000	0.00000
23-03-21	0.00090	0.00000	0.016225	0.00000	0.00000	0.00000	0.000992	0.008576	0.00000
24-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.12000	0.00000	0.00000
25-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00660	0.00000	0.00000
26-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27-03-21	0.00000	0.00000	0.00221	0.00000	0.00000	0.00000	0.00000	0.00170	0.00000
28-03-21	0.02580	0.01160	0.00014	0.00000	0.00000	0.00000	0.00438	0.00023	0.00000
29-03-21	0.00087	0.00000	0.01196	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30-03-21	0.00021	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00158	0.00000
31-03-21	0.001093	0.00000	0.00000	0.00000	0.00000	0.00250	0.01485	0.00082	0.00000
TOTAL	**0.0342**	**0.0166**	**0.0868**	**0.0000**	**0.0000**	**0.0189**	**0.2127**	**0.0218**	**0.0000**

ALL FIGURES IN MUs

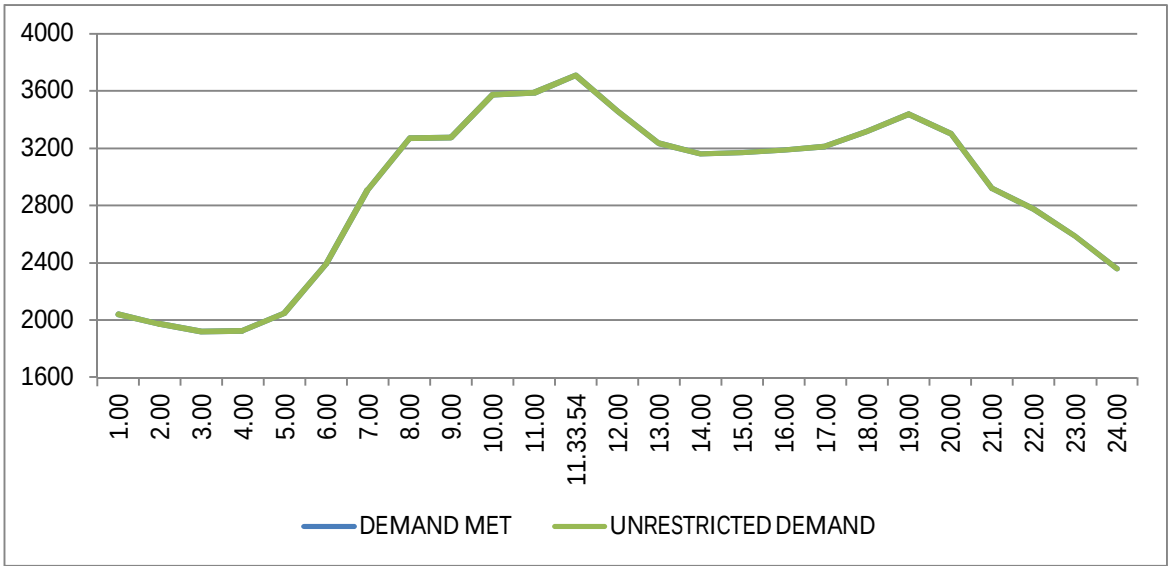
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0014**	**0.0014**
02-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0592**	**0.0592**
03-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0060**	**0.0060**
04-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0000**	**0.0000**
05-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0063**	**0.0063**
06-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0078**	**0.0078**
07-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0031**	**0.0031**
08-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0000**	**0.0000**
09-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0058**	**0.0058**
10-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0047**	**0.0047**
11-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0030**	**0.0030**
12-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0000**	**0.0000**
13-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0001**	**0.0001**
14-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0088**	**0.0088**
15-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0000**	**0.0000**
16-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0060**	**0.0060**
17-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0017**	**0.0017**
18-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0006**	**0.0006**
19-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0050**	**0.0050**
20-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0306**	**0.0306**
21-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0065**	**0.0065**
22-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0011**	**0.0011**
23-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0267**	**0.0267**
24-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.1200**	**0.1200**
25-03-21	0.00010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0067**	**0.0067**
26-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0000**	**0.0000**
27-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0039**	**0.0039**
28-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0421**	**0.0421**
29-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0128**	**0.0128**
30-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0018**	**0.0018**
31-03-21	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	**0.0193**	**0.0193**
TOTAL	**0.0001**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3911**	**0.391**

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
01-03-21	62.565	3449	10:34:18	0	3449	3449	10:34:18	3449	0
02-03-21	63.255	3494	10:01:01	0	3494	3494	10:01:01	3494	0
03-03-21	63.796	3564	10:04:26	0	3564	3564	10:04:26	3564	0
04-03-21	63.614	3509	10:18:25	0	3509	3509	10:18:25	3509	0
05-03-21	68.613	3701	11:03:37	0	3701	3701	11:03:37	3701	0
06-03-21	62.961	3291	10:01:01	0	3291	3291	10:01:01	3291	0
07-03-21	59.679	3258	11:00:49	0	3258	3258	11:00:49	3258	0
08-03-21	68.307	3517	10:17:05	0	3517	3517	10:17:05	3517	0
09-03-21	68.148	3651	10:19:53	0	3651	3651	10:19:53	3651	0
10-03-21	67.499	3709	11:33:54	0	3709	3709	11:33:54	3709	0
11-03-21	68.965	3631	10:01:13	0	3631	3631	10:01:13	3631	0
12-03-21	68.981	3681	10:00:19	0	3681	3681	10:00:19	3681	0
13-03-21	65.304	3352	10:56:03	0	3352	3352	10:56:03	3352	0
14-03-21	62.644	3251	11:00:00	0	3251	3251	11:00:00	3251	0
15-03-21	69.349	3546	10:01:11	0	3546	3546	10:01:11	3546	0
16-03-21	69.805	3593	10:32:37	0	3593	3593	10:32:37	3593	0
17-03-21	71.031	3612	11:23:41	0	3612	3612	11:23:41	3612	0
18-03-21	71.176	3664	11:29:37	0	3664	3664	11:29:37	3664	0
19-03-21	73.575	3684	10:39:00	0	3684	3684	10:39:00	3684	0
20-03-21	70.665	3454	19:01:05	0	3454	3454	19:01:05	3454	0
21-03-21	67.294	3372	12:03:59	0	3372	3372	12:03:59	3372	0
22-03-21	72.444	3656	11:04:16	0	3656	3656	11:04:16	3656	0
23-03-21	71.953	3612	11:30:00	0	3612	3612	11:30:00	3612	0
24-03-21	71.451	3626	11:27:06	3	3629	3629	11:27:06	3626	3
25-03-21	68.766	3527	10:36:01	0	3527	3527	10:36:01	3527	0
26-03-21	69.314	3622	10:54:17	0	3622	3622	10:54:17	3622	0
27-03-21	68.776	3453	10:08:26	0	3453	3453	10:08:26	3453	0
28-03-21	64.800	3157	11:00:00	0	3157	3157	11:00:00	3157	0
29-03-21	58.125	2831	21:22:16	0	2831	2831	21:22:16	2831	0
30-03-21	70.437	3390	19:30:00	0	3390	3390	19:30:00	3390	0
31-03-21	73.480	3610	10:58:18	0	3610	3610	10:58:18	3610	0
TOTAL	2096.772	3709	11:33:54	0	3709	3709	11:33:54	3709	0
		10.03.2021			10.03.2021				

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING MARCH 2021 ON 10.03.2021 - 3709 MW AT 11.33.54HRS.

All figures in MW

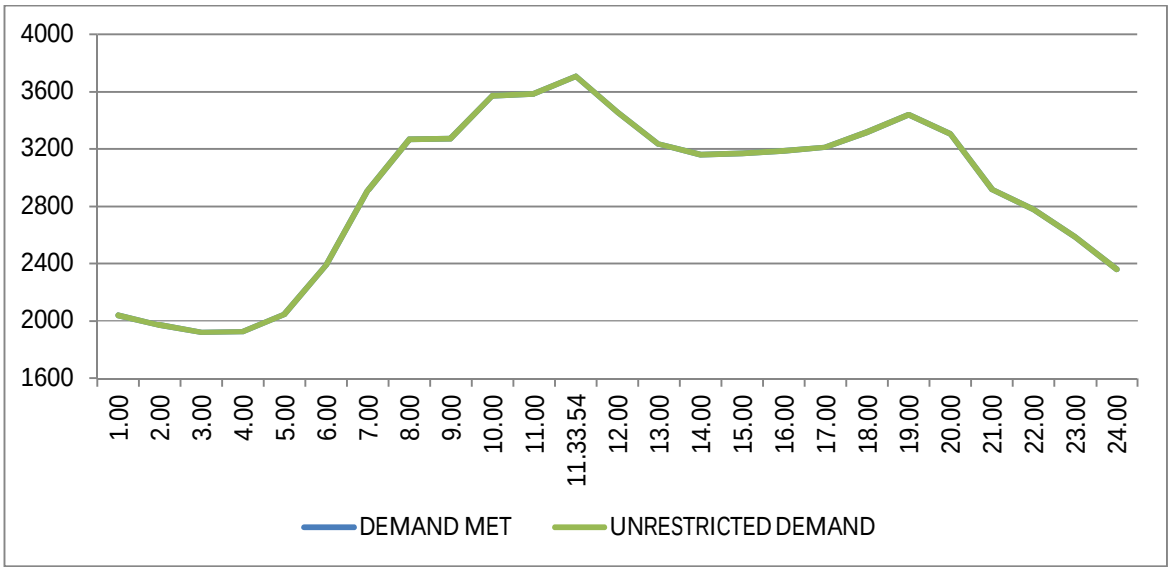
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2040	0	2040
2.00	1972	0	1972
3.00	1919	0	1919
4.00	1927	0	1927
5.00	2049	0	2049
6.00	2389	2	2391
7.00	2911	1	2912
8.00	3268	0	3268
9.00	3275	0	3275
10.00	3575	0	3575
11.00	3585	0	3585
11.33.54	3709	0	3709
12.00	3454	0	3454
13.00	3234	0	3234
14.00	3162	0	3162
15.00	3168	0	3168
16.00	3185	0	3185
17.00	3212	0	3212
18.00	3316	0	3316
19.00	3436	0	3436
20.00	3302	0	3302
21.00	2917	0	2917
22.00	2777	0	2777
23.00	2586	0	2586
24.00	2362	0	2362
Total (IN MUS)	**67.499**	**0.0047**	**67.5037**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING MARCH 2021 ON 10.03.2021 - 3709 MW AT 11.33.54 HRS.

All figures in MW

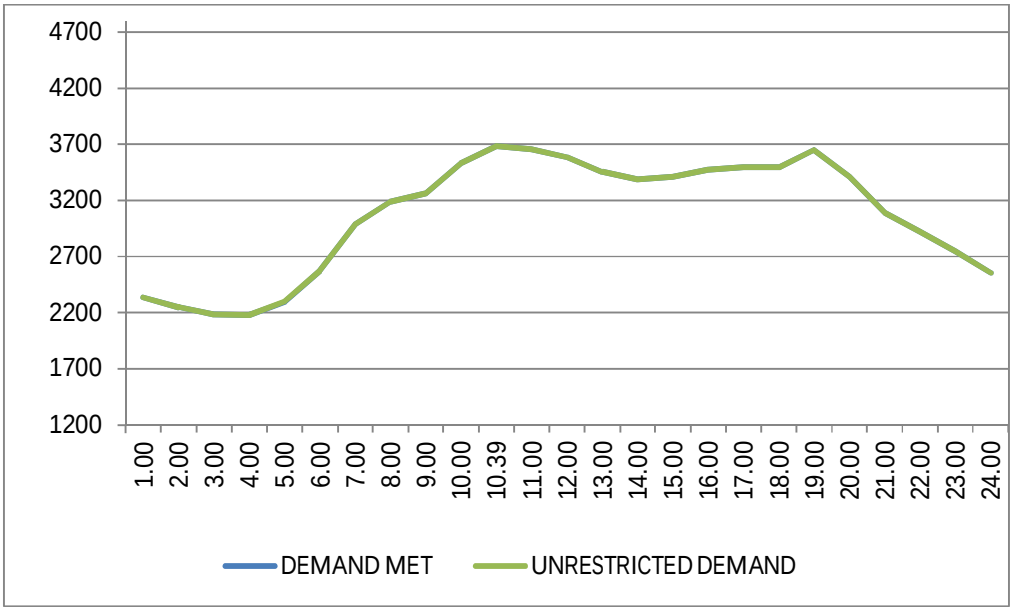
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2040	0	2040
2.00	1972	0	1972
3.00	1919	0	1919
4.00	1927	0	1927
5.00	2049	0	2049
6.00	2389	2	2391
7.00	2911	1	2912
8.00	3268	0	3268
9.00	3275	0	3275
10.00	3575	0	3575
11.00	3585	0	3585
11.33.54	3709	0	3709
12.00	3454	0	3454
13.00	3234	0	3234
14.00	3162	0	3162
15.00	3168	0	3168
16.00	3185	0	3185
17.00	3212	0	3212
18.00	3316	0	3316
19.00	3436	0	3436
20.00	3302	0	3302
21.00	2917	0	2917
22.00	2777	0	2777
23.00	2586	0	2586
24.00	2362	0	2362
Total (IN MUS)	**67.499**	**0.0047**	**67.5037**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING MARCH 2021 – 19.03.2021 – 73.575 Mus

All figures in MW

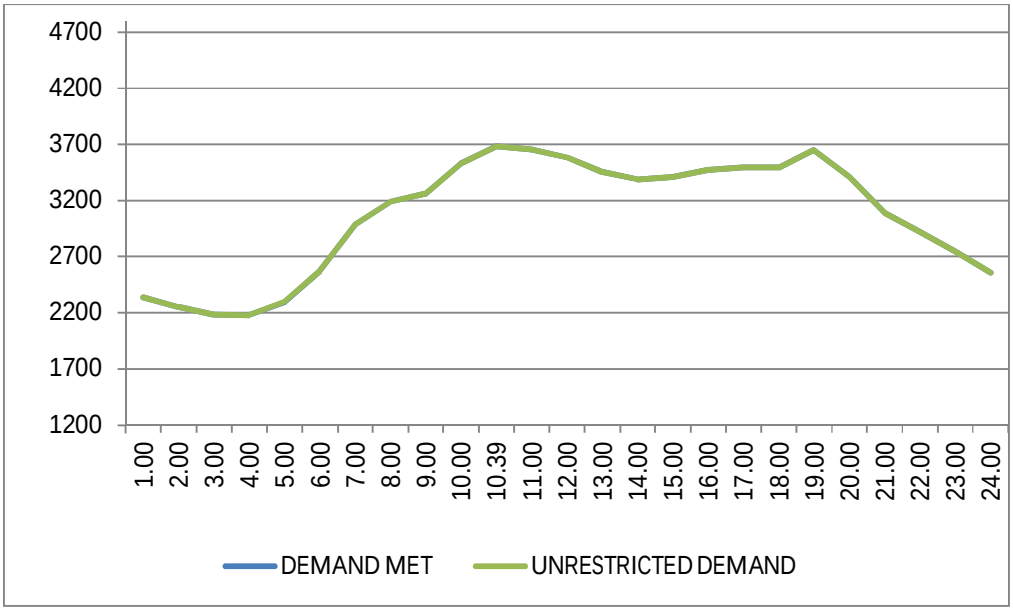
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2336	0	2336
2.00	2249	0	2249
3.00	2184	0	2184
4.00	2177	2	2179
5.00	2296	2	2298
6.00	2572	2	2574
7.00	2989	0	2989
8.00	3190	0	3190
9.00	3258	0	3258
10.00	3534	0	3534
10.39	3684	0	3684
11.00	3653	0	3653
12.00	3582	0	3582
13.00	3456	0	3456
14.00	3387	0	3387
15.00	3408	0	3408
16.00	3471	0	3471
17.00	3496	0	3496
18.00	3493	0	3493
19.00	3647	0	3647
20.00	3412	0	3412
21.00	3091	0	3091
22.00	2923	0	2923
23.00	2745	0	2745
24.00	2556	0	2556
Total (IN MUS)	**73.575**	**0.005**	**73.58**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING MARCH 2021 – ON 31.12.2020 – 76.171 – MUs

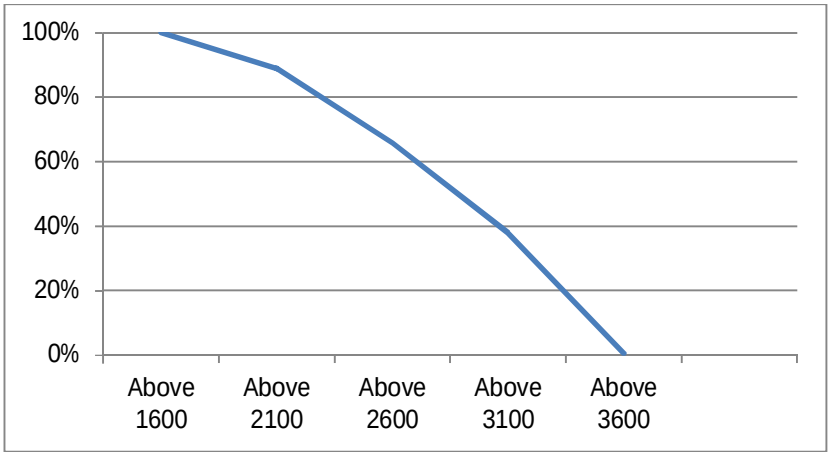
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2336	0	2336
2.00	2249	0	2249
3.00	2184	0	2184
4.00	2177	2	2179
5.00	2296	2	2298
6.00	2572	2	2574
7.00	2989	0	2989
8.00	3190	0	3190
9.00	3258	0	3258
10.00	3534	0	3534
10.39	3684	0	3684
11.00	3653	0	3653
12.00	3582	0	3582
13.00	3456	0	3456
14.00	3387	0	3387
15.00	3408	0	3408
16.00	3471	0	3471
17.00	3496	0	3496
18.00	3493	0	3493
19.00	3647	0	3647
20.00	3412	0	3412
21.00	3091	0	3091
22.00	2923	0	2923
23.00	2745	0	2745
24.00	2556	0	2556
Total (IN MUS)	**73.575**	**0.005**	**73.58**



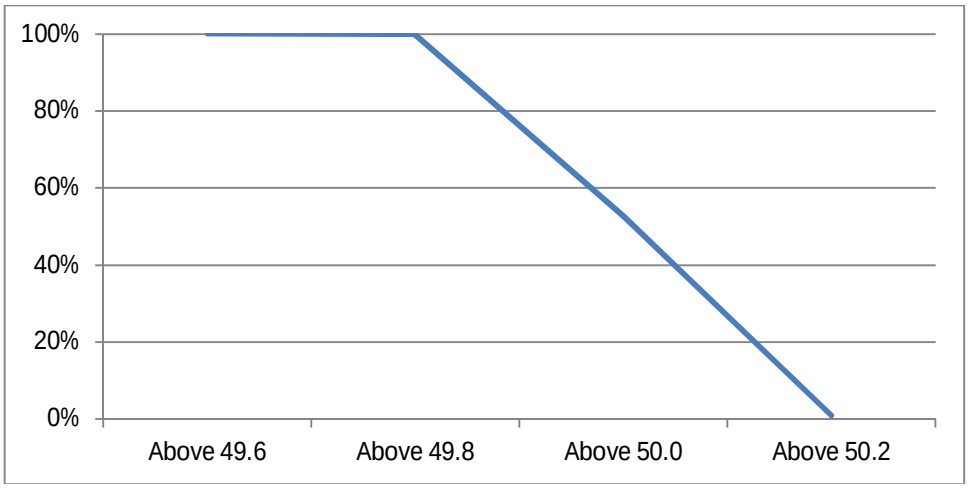
13 LOAD DURATION CURVE FOR MARCH 2021

Load in MW	Percentage of Time
Above 1600	100%
Above 2100	88.87%
Above 2600	65.79%
Above 3100	37.86%
Above 3600	0.53%



14 FREQUENCY ANALYSIS FOR THE MONTH OF MARCH 2021

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100%
Above 49.8	99.87%
Above 50.0	52.76%
Above 50.2	0.01%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING MARCH 2021

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-03-21	234.84	219.29	235.35	225.02
02-03-21	234.33	220.9	234.87	225.54
03-03-21	232.48	217.58	237.47	222.97
04-03-21	234.1	216.52	236.63	222.93
05-03-21	231.67	217.19	235.79	224.06
06-03-21	233.84	220.17	238.62	226.06
07-03-21	232.77	221.77	237.06	226.2
08-03-21	232.52	221.54	234.95	222.48
09-03-21	231.28	216.52	237.76	--
10-03-21	232.15	219.23	239.92	--
11-03-21	233.81	220.52	232.57	221.98
12-03-21	232.81	222.38	233.29	222.66
13-03-21	233.53	223.12	230.94	223.11
14-03-21	233.33	224.99	230.41	223.25
15-03-21	233.25	220.19	231.17	219.47
16-03-21	233.51	220.35	230.51	218.86
17-03-21	234.05	219.55	230.87	218
18-03-21	233.57	218.48	231.97	216.05
19-03-21	234.41	219.62	235.6	222.5
20-03-21	234.46	221.86	235.97	224.73
21-03-21	232.37	222.68	236.55	226.35
22-03-21	234.21	223.7	236.62	225.39
23-03-21	232.81	221.78	236.67	227.75
24-03-21	233.77	219.98	236.56	224.12
25-03-21	233.09	222.17	235.44	226.21
26-03-21	232.11	223.62	234.29	222.22
27-03-21	233.97	218.81	231.89	220.64
28-03-21	232.87	222.04	230.53	222.48
29-03-21	234.09	227.43	230.8	224.42
30-03-21	233.4	221.23	230.12	218.93
31-03-21	232.55	219.86	233.88	222.64

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING MARCH 2021

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-03-21	423.95	2:00:21	399.1	11:31:40	412.73
02-03-21	422.55	4:00:25	402.14	11:36:44	412.25
03-03-21	420.43	4:02:10	397.92	11:39:31	409.79
04-03-21	422.08	4:00:26	396.99	11:24:14	410.59
05-03-21	420.43	4:00:18	399.1	11:26:38	410.89
06-03-21	422.08	4:01:00	399.57	11:14:41	410.72
07-03-21	420.67	4:00:28	403.32	11:09:15	412.57
08-03-21	418.56	2:01:47	401.44	11:11:48	411.45
09-03-21	424.62	21:11:17	0	13:02:33	355.94
10-03-21	427.31	4:01:44	405.87	11:47:39	418.63
11-03-21	426.71	4:02:14	408.72	11:09:52	418.54
12-03-21	428.48	4:00:41	410.99	10:11:59	420.38
13-03-21	425.93	4:01:28	409.23	11:14:46	417.63
14-03-21	426.21	18:01:33	413.04	11:24:18	420.02
15-03-21	427.27	4:01:01	408.04	11:24:22	418.25
16-03-21	426.35	1:58:31	407.23	11:12:57	417.88
17-03-21	426.73	4:01:09	405.02	11:40:23	417.73
18-03-21	426.31	4:33:47	402.56	11:20:15	416.54
19-03-21	427.08	5:00:42	406.67	11:43:29	417.67
20-03-21	427.97	4:02:02	409.31	11:19:34	418.79
21-03-21	426.1	18:02:57	411.34	11:23:50	419.57
22-03-21	427.03	4:02:46	408.23	12:11:48	418.48
23-03-21	426.61	2:00:02	411.56	10:22:26	421.28
24-03-21	426.22	4:02:58	406.75	11:17:07	417.57
25-03-21	426.01	1:21:48	410.23	19:14:25	418.15
26-03-21	423.3	23:34:05	411.86	19:08:08	418.38
27-03-21	427.5	4:02:41	406.62	11:11:33	417.72
28-03-21	425.39	3:02:54	410.6	11:09:15	419.44
29-03-21	425.72	17:01:55	413.11	22:34:47	420.76
30-03-21	424.12	13:03:51	404.12	19:13:09	416.88
31-03-21	424.42	13:26:19	402.72	19:23:52	415.81

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-03-21	426.51	2:01:31	401.86	11:32:40	416.31
02-03-21	424.8	4:01:08	406.39	11:39:23	416.02
03-03-21	423.89	4:02:52	400.19	11:52:30	413.34
04-03-21	424.51	4:01:11	397.99	11:24:18	413.15
05-03-21	421.6	4:02:29	399.42	11:31:00	414.52
06-03-21	426.48	4:02:02	404.33	11:15:11	415.7
07-03-21	424.52	4:01:45	407.3	11:11:36	416.96
08-03-21	422.96	2:02:54	407.33	11:21:55	416.27
09-03-21	421.21	4:01:40	0	11:39:52	274.57
10-03-21	421.18	4:01:56	401.42	11:44:37	414.26
11-03-21	422.6	4:02:06	405.77	11:09:43	415.67
12-03-21	424.66	4:01:38	409.27	11:45:19	418.11
13-03-21	422.72	4:01:28	406.57	11:23:53	415.9
14-03-21	424.53	17:02:13	410.06	11:37:55	417.84
15-03-21	423.62	4:01:02	405.51	11:23:44	416.34
16-03-21	423.87	2:00:45	404.58	11:13:46	415.7
17-03-21	424.58	4:32:56	402.65	11:40:24	415.75
18-03-21	424.12	4:33:42	401.16	11:19:30	414.92
19-03-21	425.68	5:00:34	402.22	11:43:22	415.54
20-03-21	425.46	4:02:23	406.48	11:19:22	416.8
21-03-21	423.89	18:02:54	407.64	11:23:56	417.37
22-03-21	425.44	4:02:47	409.31	11:32:46	418.09
23-03-21	425.13	5:02:41	410.65	10:23:13	419.62
24-03-21	424.47	4:02:36	403.75	11:12:54	416.19
25-03-21	423.76	1:21:48	408.89	11:11:07	417.06
26-03-21	423.07	17:02:57	409.97	19:08:36	417.73
27-03-21	426.02	4:02:20	404.29	11:11:32	417.19
28-03-21	424.55	3:02:52	408.98	11:10:29	418.78
29-03-21	426.32	17:02:18	414.78	19:11:37	420.8
30-03-21	424.39	4:02:43	405.74	19:13:00	417.76
31-03-21	424.67	13:19:39	402.4	19:19:54	416

17 DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF MAR-2021

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	5.3.20	00:42	400KV BAMNAULI-JHATIKARA CKT-I	5.3.20	00:00	AT BAMNAULI : 186.
2	5.3.20	20:42	400KV MANDOLA-BAWANA CKT-I	6.3.20	00:00	AT BAWANA : DIST PROT, ZONE-I, DIST 4.143KM.
3	5.3.20	21:21	KANJHAWALA 66/11KV, 20MVA TX-I	5.3.20	22:33	PRV, 86
4	5.3.20	21:47	GEETA COLONY 220/33KV 100MVA TX-II	5.3.20	23:16	86
5	6.3.20	05:25	NARELA 66/11KV, 20MVA TX-I	6.3.20	12:20	E/F
6	6.3.20	05:55	NARELA 66/11KV, 20MVA TX-II	6.3.20	10:40	E/F
7	6.3.20	10:38	R K PURAM 220/66KV 160MVA TX-II	6.3.20	12:55	TR. TRIPPED ON BUCHOLZ AND DIFFERENTIAL RELAY DUE TO HIGH VALUE OF ACETYLENE GAS, TRANSFORMER TO BE REPAIRED
8	6.3.20	16:45	220KV GOPALPUR-MANDOLACKT-I	6.3.20	19:04	AT GOPALPUR : DIFFERENTIAL, 86ABC.
9	7.3.20	20:47	220KV SARITA VIHAR - BTPS CKT.-I			AT SARITA VIHAR : TRIPPED WITHOUT INDICATION.
10	8.3.20	07:10	PEERA GARHI 220/33KV 100MVA TX-II	8.3.20	13:49	PRV.
11	8.3.20	14:29	220KV BAMNAULI-PAPPANKALAN-I CKT-I	8.3.20	19:07	AT BAMNAULI : DIST PROT, ZONE-I, DIST 3.3KM.
12	9.3.20	01:45	400KV BAWANA-MUNDKA CKT-I	9.3.20	06:55	TRIPPED ON OVER VOLTAGE.
13	9.3.20	07:10	PEERA GARHI 220/33KV 100MVA TX-II	9.3.20	13:49	PRV
14	10.3.20	03:47	400KV BAWANA-MUNDKA CKT-I	10.3.20	07:04	AT BAWANA : TRIPPED ON OVER VOLTAGE.
15	10.3.20	03:48	220KV SHALIMARBAGH-WAZIRPUR CKT-I	10.3.20	06:18	AT SHALIMARBAGH : TRIPPED ON OVER VOLTAGE.
16	10.3.20	04:00	400KV BAMNAULI-JHATIKARA CKT-I	10.3.20	07:31	AT BAMNAULI : TRIPPED ON OVER VOLTAGE.
17	11.3.20	01:03	220KV SHALIMARBAGH-WAZIRPUR CKT-I	11.3.20	06:56	AT SHALIMARBAGH : 86.
18	11.3.20	14:50	RAJGHAT 220/33KV 100MVA TX-I	11.3.20	16:00	BUCHOLZ, 86.
19	12.3.20	13:00	PAPPANKALAN-II 220/66KV 100MVA TX-I	12.3.20	18:10	TRIPPED ON TRIP I&II.
20	12.3.20	23:39	220KV GAZIPUR- PATPARGANJ CKT	13.3.20	07:46	AT GAZIPUR : DIFFERENTIAL.
21	14.3.20	06:14	NARELA 66/11KV, 20MVA TX-I	14.3.20	08:48	LA BLAST, E/F.
22	14.3.20	12:30	KANJHAWALA 66 KV RG-23	14.3.20	18:38	195C & 295C
23	14.3.20	12:30	KANJHAWALA 220/66KV 160MVA TX-I	14.3.20	18:38	OVER FLUX.
24	15.3.20	09:58	SUBZI MANDI 220/33KV 100MVA TX-I	15.3.20	18:55	TRIPPED ON DIFFERENTIAL, 186.
25	15.3.20	12:50	SUBZI MANDI 220/33KV 100MVA TX-II	15.3.20	14:15	DIFFERENTIAL, RYB PHASE, 186.
26	16.3.20	07:37	WAZIRABAD 220/66KV 100MVA TX-III	16.3.20	07:57	TRIPPED ON C.E.
27	16.3.20	07:37	WAZIRABAD 220/66KV 100MVA TX-I	16.3.20	07:57	E/F
28	20.3.20	12:19	220KV PREET VIHAR-PATPARGANJ CKT-II	20.3.20	20:45	AT PREET VIHAR : TO ATTEND CABLE DAMAGED BY JCB MACHINE.
29	20.3.20	12:19	220KV PREET VIHAR-PATPARGANJ CKT-I	20.3.20	20:45	AT PREET VIHAR : TO ATTEND CABLE DAMAGED BY JCB.

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
30	20.3.20	16:10	LODHI RD 220/33KV 100MVA TX-I	20.3.20	17:38	TRIPPED DUE TO GAS PRESSURE LOW.
31	21.3.20	23:40	BAWANA 400/220KV 315MVA ICT-III	21.3.20	00:00	Y PHASE CT DAMAGED AT BAWANA. E/F.
32	21.3.20	23:40	BAWANA 400/220KV 315MVA ICT-II	22.3.20	01:40	Y PHASE CT BLAST AT BAWANA.
33	21.3.20	23:40	400KV MANDOLA-BAWANA CKT-II	22.3.20	00:00	AT BAWANA : DIST PROT, ZONE-I.
34	21.3.20	23:40	400KV BAWANA-MUNDKA CKT-I	22.3.20	00:00	AT MUNDKA : DIST PROT, ZONE-I.
35	21.3.20	23:40	400KV MANDOLA-BAWANA CKT-I	22.3.20	02:14	AT BAWANA : DIST PROT, ZONE-I.
36	21.3.20	23:40	220KVBAWANA- ROHINI-2 CKT-II	22.3.20	01:35	E/F.
37	21.3.20	23:40	400KV BAWANA-MUNDKA CKT-II	22.3.20	00:00	AT MUNDKA : DIST PROT ,ZONE-I.
38	21.3.20	23:50	MUNDKA 400/220KV 315MVA ICT-IV	22.3.20	00:48	86
39	24.3.20	16:01	KANJHAWALA 220/66KV 160MVA TX-I	25.3.20	07:01	TRIPPED ON OVER FLUX
40	25.3.20	04:00	220KV SHALIMARBAGH-WAZIRPUR CKT-I	25.3.20	04:05	TRIPPED ON OVER VOLTAGE.
41	25.3.20	04:08	MUNDKA 220/66KV 160MVA TX-III	25.3.20	05:08	TRIPPED ON HIGH SPEED TRIP.
42	25.3.20	04:08	MUNDKA 220/66KV 160MVA TX-II	25.3.20	06:49	TRIPPED ON HIGH SPEED TRIP.
43	25.3.20	07:27	PARKSTREET 220/33KV 100MVA TX-I	25.3.20	07:34	E/F. MONKEY ELECTROCUTED.
44	26.3.20	02:43	WAZIRPUR 220/33KV 100MVA TX-I	26.3.20	04:58	OVER FLUX.
45	26.3.20	02:43	WAZIRPUR 220/33KV 100MVA TX-II	26.3.20	04:58	OVER FLUX.
46	26.3.20	05:05	SHALIMAR BAGH 220/33KV 100MVA TX-III	26.3.20	16:18	DIFFERENTIAL, 86.
47	26.3.20	15:00	PARKSTREET 220/33KV 100MVA TX-II	26.3.20	19:48	O/C, E/F.
48	27.3.20	18:36	220KV WAZIRABAD - MANDOLA CKT-I	27.3.20	21:35	AT WAZIRABAD: DIST PROT, ZONE-I, DIST 2.126KM.
49	28.3.20	06:25	NARELA 220/66KV 100MVA TX-II	28.3.20	12:52	86
50	29.3.20	08:30	220KV MAHARANI BAGH - SARITA VIHAR CKT	29.3.20	10:04	AT MAHARANI BAGH : L23F.
51	30.3.20	16:40	220 KV I.P.- RPH CKT-I	30.3.20	17:50	AT I.P. : DIST PROT, ZONE-I, 186.
52	31.3.20	07:15	220 KV PATPARGANJ - I.P. CKT-I	31.3.20	18:57	AT PPG : 86ABC.
53	31.3.20	19:10	LODHI RD 33/11KV, 16MVA TX-III	1.4.20	13:06	DIFFERENTIAL.

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF MARCH 2021

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