DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

DECEMBER - 2020

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DEC. 2019	DEC. 2020
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	1371	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)**	**4671**	**5261**
	Date	30.12.2020	31.12.2019
	Time	10.34.51	10.45.48
3	**Peak Demand met (MW)**	**4671**	**5245**
	Date	30.12.2020	31.12.2019
	Time	10.34.51	10.45.48
4	Peak Availability (MW)	4529	5127
5	Shortage (-) / Surplus (+) in MW	(-) 142	(-) 118
6	Percentage Shortage (-) / Surplus (+)	(-) 3.04	(-) 3.43
7	Maximum Energy Consume in a day (Mus)	76.162	85.866
8	Energy Consumed during the month	**2024.811**	**2151.070**
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	0.221	0.128
	TPDDL	0.039	0.046
	BRPL	0.115	0.248
	BYPL	0.006	0.016
	NDMC	0.00	0.000
	MES	0.00	0.000
	Other Agencies	0.014	0.002
	Total	**0.394**	**0.440**
10	**Grand Total in Mus**	**0.394**	**0.440**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2020

A) For the month of Dec 2020

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	0.00	0.00
2.	**GT**	36.643	1.560	35.083	17.98	139.50
3.	**PPCL**	121.567	2.498	119.069	50.30	130.98
4.	**Bawana**	342.931	10.798	332.133	99.07	652.42
5.	**Towmcl**	143.082	1.847	12.235	--	--
6.	**EDWPCL**	2.314	0.632	1.682	--	--
7.	**DMSWL**	11.537	1.909	9.628	--	--
	TOTAL	**658.074**	**19.368**	**509.706**	**--**	**922.90**

B) For the Year 2020-21 (Upto December 2020)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec. 2020	Availability PLF (%) for Dec. 2020	PLF (%) for Dec. 2020	Cumulative Generation in MUs upto Dec. 2020 for the year 2020-21	Cumulative Availability in % upto Dec. 2020 for the year 2020-21
RPH	135	-0.124	0.00	-0.07	-1.101	0.00
GT	270	35.083	89.57	20.80	357.844	87.46
PPCL	330	119.069	105.30	56.08	1174.193	90.15
Bawana	1372	332.133	99.27	89.91	2414.334	90.24
Towmcl	16	12.235	--	--	110.458	--
EDWPCL	10	1.682	--	--	12.473	--
DMSWL	24	9.628	--	--	102.594	--
TOTAL	2936	**509.706**	--	--	**4170.795**	--

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	31.12.20	23:59	Low demand
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

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
3	**30**	01-04-20	0:00	31.12.20	23:59	Low Demand
4	**30**	01-04-20	0:00	31.12.20	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	31.12.20	23:59	Low demand
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	31.12.20	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
STG-2	**30**	01-04-20	0:00	31.12.20	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	31.12.20	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.
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	31.12.20	23:59	GT#2 stopped due to non-scheduling. Outage continued…….
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.

(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.
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.
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.
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

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
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.
		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.
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.

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 DECEMBER 2020

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	10.00.23	43	155	305	9	0	16	528	2976	3100	-124	3504	0	3504
2	10.03.22	43	157	482	12	2	8	704	2989	3016	-27	3693	0	3693
3	10.32.13	44	156	481	17	0	6	704	2861	2927	-66	3565	16	3581
4	09.37.34	43	155	487	16	0	16	717	3114	2993	121	3831	0	3831
5	10.30.07	43	156	483	8	0	18	708	2764	2675	89	3472	0	3472
6	11.01.00	39	156	506	11	0	17	729	2763	2712	51	3492	0	3492
7	09.40.06	40	135	-7	6	0	19	193	3455	3289	166	3648	0	3648
8	10.01.24	40	155	455	17	1	18	686	2908	2958	-50	3594	0	3594
9	10.25.49	40	155	471	17	0	17	700	2951	2994	-43	3651	0	3651
10	10.03.45	42	156	481	18	0	18	715	2818	2846	-28	3533	0	3533
11	10.24.55	41	154	489	19	0	18	721	2997	2879	118	3718	0	3718
12	11.00.46	42	134	358	0	0	18	552	2802	2926	-124	3354	0	3354
13	11.01.13	42	154	271	18	0	17	502	3078	2908	170	3580	0	3580
14	09.40.47	42	157	443	19	0	9	670	3137	3036	101	3807	0	3807
15	09.56.58	43	160	450	16	0	14	683	3258	3185	73	3941	0	3941
16	10.19.33	43	155	312	18	0	0	528	3668	3449	219	4196	0	4196
17	10.00.00	43	8	447	18	6	17	539	3745	3577	168	4284	0	4284
18	10.00.00	80	151	483	18	-1	13	744	3840	3650	190	4584	0	4584
19	10.32.00	80	153	481	19	2	18	753	3413	3376	37	4166	0	4166
20	11.01.07	79	158	486	18	-1	17	757	3320	3302	18	4077	0	4077
21	10.33.29	80	158	496	15	-1	8	756	3482	3572	-90	4238	0	4238
22	10.32.03	80	158	508	9	2	8	765	3561	3428	133	4326	0	4326
23	10.33.52	80	158	553	17	6	8	822	3536	3484	52	4358	0	4358
24	10.02.13	43	340	553	6	4	8	954	3311	3282	29	4265	0	4265
25	11.01.17	42	159	511	19	7	9	747	2671	3526	-855	3418	0	3418
26	10.24.56	42	159	481	16	2	8	708	3404	3243	161	4112	0	4112
27	10.59.09	42	160	484	17	7	8	718	3343	3457	-114	4061	0	4061
28	10.25.07	43	160	480	18	5	9	715	3598	3463	135	4313	0	4313
29	10.25.00	44	158	483	11	6	8	710	3657	3621	36	4367	0	4367
30	10.34.51	44	159	480	15	5	8	711	3960	3818	142	4671	0	4671
31	09.56.10	42	157	295	19	1	8	522	4143	3914	229	4665	0	4665

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 2020

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	10.00.23	43	155	305	9	0	16	528	2976	3100	-124	3504	0	3504
2	10.03.22	43	157	482	12	2	8	704	2989	3016	-27	3693	0	3693
3	10.32.13	44	156	481	17	0	6	704	2861	2927	-66	3565	16	3581
4	09.37.34	43	155	487	16	0	16	717	3114	2993	121	3831	0	3831
5	10.30.07	43	156	483	8	0	18	708	2764	2675	89	3472	0	3472
6	11.01.00	39	156	506	11	0	17	729	2763	2712	51	3492	0	3492
7	09.40.06	40	135	-7	6	0	19	193	3455	3289	166	3648	0	3648
8	10.01.24	40	155	455	17	1	18	686	2908	2958	-50	3594	0	3594
9	10.25.49	40	155	471	17	0	17	700	2951	2994	-43	3651	0	3651
10	10.03.45	42	156	481	18	0	18	715	2818	2846	-28	3533	0	3533
11	10.24.55	41	154	489	19	0	18	721	2997	2879	118	3718	0	3718
12	11.00.46	42	134	358	0	0	18	552	2802	2926	-124	3354	0	3354
13	11.01.13	42	154	271	18	0	17	502	3078	2908	170	3580	0	3580
14	09.40.47	42	157	443	19	0	9	670	3137	3036	101	3807	0	3807
15	09.56.58	43	160	450	16	0	14	683	3258	3185	73	3941	0	3941
16	10.19.33	43	155	312	18	0	0	528	3668	3449	219	4196	0	4196
17	10.00.00	43	8	447	18	6	17	539	3745	3577	168	4284	0	4284
18	10.00.00	80	151	483	18	-1	13	744	3840	3650	190	4584	0	4584
19	10.32.00	80	153	481	19	2	18	753	3413	3376	37	4166	0	4166
20	11.01.07	79	158	486	18	-1	17	757	3320	3302	18	4077	0	4077
21	10.33.29	80	158	496	15	-1	8	756	3482	3572	-90	4238	0	4238
22	10.32.03	80	158	508	9	2	8	765	3561	3428	133	4326	0	4326
23	10.33.52	80	158	553	17	6	8	822	3536	3484	52	4358	0	4358
24	10.02.13	43	340	553	6	4	8	954	3311	3282	29	4265	0	4265
25	11.01.17	42	159	511	19	7	9	747	2671	3526	-855	3418	0	3418
26	10.24.56	42	159	481	16	2	8	708	3404	3243	161	4112	0	4112
27	10.59.09	42	160	484	17	7	8	718	3343	3457	-114	4061	0	4061
28	10.25.07	43	160	480	18	5	9	715	3598	3463	135	4313	0	4313
29	10.25.00	44	158	483	11	6	8	710	3657	3621	36	4367	0	4367
30	10.34.51	44	159	480	15	5	8	711	3960	3818	142	4671	0	4671
31	09.56.10	42	157	295	19	1	8	522	4143	3914	229	4665	0	4665

7 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR DECEMBER 2020

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

A (i) RPH	0.000
(ii) GT+STG	36.643
(iii) PRAGATI	121.567
(iv) RITHALA	0.000
(v) BAWANA CCGT	342.931
(vi) Timarpur – Okhla	14.082
EDWPCL	2.314
DMSWL	11.537
TOTAL	529.074
B) AVAILABILITY FROM BTPS	-0.123
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	19.368
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	**509.583**

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	1.514	1.456	1.514	1.456
SALAL	10.138	9.749	10.138	9.749
SASAN	265.462	255.254	265.440	255.234
TANKAPUR	2.636	2.535	2.636	2.535
CHAMERA	4.071	3.915	4.071	3.915
CHAMERA -II	4.818	4.633	4.818	4.633
CHAMERA -III	2.058	1.979	2.058	1.979
DHAULIGANGA	3.885	3.736	3.885	3.736
SEWA -2	0.000	0.000	0.000	0.000
URI	15.193	14.612	15.193	14.612
URI-II	10.718	10.308	10.718	10.308
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	10.604	10.197	10.604	10.197
PARBATI3	1.736	1.669	1.736	1.669
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	0.000	0.000	0.000	0.000
ANTA (GAS)	0.005	0.005	0.000	0.000
ANTA (RLNG)	6.715	6.458	0.000	0.000
ANTA (LIQUID)	21.883	21.043	0.000	0.000
DADRI (CRF)	11.337	10.901	4.313	4.147
DADRI (GAS)	13.132	12.628	9.208	8.854
DADRI (RLNG)	2.039	1.961	0.000	0.000
DADRI (LIQUID)	40.180	38.635	0.000	0.000
AURAIYA (CRF)	0.000	0.000	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	9.514	9.151	0.000	0.000
AURAIYA (LIQUID)	41.283	39.695	0.000	0.000
SINGRAULI	96.991	93.266	87.345	83.990
SINGRAULI_HYDRO	0.000	0.000	0.000	0.000
RIHAND -I	43.338	41.668	37.047	35.620
RIHAND -II	86.844	83.507	80.492	77.399
RIHAND -III	86.596	83.263	83.674	80.454
UNCHAHAR-I	15.435	14.842	10.047	9.661
UNCHAHAR-II	30.293	29.129	21.958	21.114
UNCHAHAR-III	19.493	18.744	14.135	13.592
UNCHAHAR-IV	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
DADRI (TH)	514.655	494.879	0.000	0.000
DADRI (TH) STAGE-II	500.965	481.727	118.266	113.654
BRBCL (NABIPUR-BIHAR)	2.334	2.244	2.334	2.244
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
NAPP	28.119	27.040	28.119	27.040
RAPP 'B'	0.000	0.000	0.000	0.000
RAPP 'C'	39.182	37.676	39.182	37.676
NATHPA JHAKRI	21.205	20.390	21.205	20.390
DULASTI	11.943	11.484	11.943	11.484
TEHRI	19.520	18.771	19.520	18.771
JHAJJAR	415.353	399.388	80.456	77.320
KHELGAON	16.636	15.997	12.980	12.481
KHELGAON-II	71.545	68.794	57.288	55.086
FARAKA	12.496	12.015	9.058	8.709
TALA	3.930	3.779	3.930	3.779
DVC	198.090	198.090	198.090	190.493
TUTICORIN - BRPL	10.981	10.981	10.981	10.560
MADHYA PRADESH	1.693	1.693	1.693	1.629
GUJRAT	0.748	0.748	0.748	0.719
KARNATAKA	7.257	7.257	7.257	6.978
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.253	0.253	0.253	0.243
REGL (ADANI) CHATTISHGARH	0.500	0.500	0.500	0.480
RPREL (ADANI) CHATTISHGARH	1.700	1.700	1.700	1.633
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.648	0.648	0.648	0.623
BIHAR	1.387	1.387	1.387	1.334
DBPL (CHATTISHGARH)	3.400	3.400	3.400	3.267
MANIPUR	0.000	0.000	0.000	0.000
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP-III (WEST BENGAL)	0.046	0.046	0.046	0.044
SIKKIM	0.603	0.603	0.603	0.580
TAMILNAIDU	0.000	0.000	0.000	0.000
SEIL PROJECT-II(ANDHRA PRADESH)	1.840	1.840	1.840	1.768
MEGHALAYA	1.364	1.364	1.364	1.312
ANDHRA	0.371	0.371	0.371	0.357
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	169.333	169.333	169.333	162.833
DVC MEJIA (LT-08)(BYPL)	68.487	68.487	68.487	65.856
Acme_RUMS	9.095	9.095	9.095	8.746
Arinsun_RUMS	9.730	9.730	9.730	9.356
Mahindra_RUMS	9.160	9.160	9.160	8.808
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	17.049	17.049	17.049	16.394
HIMACHAL PRADESH	2.965	2.965	2.965	2.851
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	0.850	0.850	0.850	0.817
HARYANA (LT-05)	50.743	50.743	50.743	48.797
MP(SOLAR RUMS)	21.252	21.252	21.252	20.434
HP TPDDL (NANTI)	0.907	0.907	0.907	0.872
ALFANAR WIND(BRPL) GUJRAT	23.000	23.000	23.000	22.121
ALFANAR WIND(BYPL) (GUJRAT)	7.671	7.671	7.671	7.378
KSMPL BHADLA(RAJASTHAN)	9.249	9.249	9.249	8.894
ALFANAR WIND(TPDDL)(GUJRAT)	7.677	7.677	7.677	7.384
ADHPL (HP)	0.000	0.000	0.000	0.000
ODHISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.518	5.518	5.518	5.306
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	7.638	7.638	7.638	7.343

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) BRPL-LT36	3.276	3.276	3.276	3.150
RAJASTHAN(SOLAR) BYPL - LT-35	3.197	3.197	3.197	3.074
RAJASTHAN(SOLAR) TPDDL LT-31	3.198	3.198	3.198	3.075
HP TARANDA (RAILWAYS)	1.432	1.432	1.432	1.377
TO NAGALAND	0.000	0.000	0.000	0.000
TO ANDHRA	0.000	0.000	0.000	0.000
TO UTTRAKHAND	-35.762	-35.762	-35.762	-37.190
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MEGHALAYA	-17.353	-17.353	-17.353	-18.047
TO KERALA	0.000	0.000	0.000	0.000
TO ODISHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	-5.639	-5.639	-5.639	-5.864
TO ARUNACHAL PRADESH	-11.863	-11.863	-11.863	-12.337
TO HIMACHAL PRADESH	-138.184	-138.184	-138.184	-143.707
TO GUJRAT	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	253.528	243.845	253.528	243.845
TO POWER EXCHANGE (IEX)	-80.143	-83.374	-80.143	-83.374
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)	-27.777	-28.889	-27.777	-28.889
TO SHARE PROJECT (PUNJAB)	-28.054	-29.177	-28.054	-29.177
REAL TIME MANAGEMENT (RTM)	30.060	28.914	30.060	28.914
TO REAL TIME MANAGEMENT (RTM)	-48.935	-50.900	-48.935	-50.900
TOTAL	**3067.981**	**2953.048**	**1637.497**	**1543.644**

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	1543.032	1483.745	468.820	450.729
NTPC - ER	100.677	96.806	79.325	76.275
NHPC	68.711	66.077	68.711	66.077
NPC	67.300	64.716	67.300	64.716
SASAN	265.462	255.254	265.440	255.234
KOTESHWAR	10.604	10.197	10.604	10.197
NATHPA JHAKRI	21.205	20.390	21.205	20.390
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
TEHRI	19.520	18.771	19.520	18.771
TALA	3.930	3.779	3.930	3.779
JHAJJAR	415.353	399.388	80.456	77.320
RAJASTHAN SOLAR(BRPL)T-36	3.276	3.276	3.276	3.150
RAJASTHAN SOLAR(BYPL)T-35	3.197	3.197	3.197	3.074
RAJASTHAN SOLAR(TPDDL)T-31	3.198	3.198	3.198	3.075
DVC	198.090	198.090	198.090	190.493
TUTICORIN BRPL	10.981	10.981	10.981	10.560
MADHYA PRADESH	1.693	1.693	1.693	1.629
GUJRAT	0.748	0.748	0.748	0.719
KARNATAKA	7.257	7.257	7.257	6.978
NAGALAND	0.000	0.000	0.000	0.000
CHATTISHGARH	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.253	0.253	0.253	0.243
REGL (ADANI) CHATTISHGARH	0.500	0.500	0.500	0.480
RPREL (ADANI)CHATTISHGARH	1.700	1.700	1.700	1.633
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.648	0.648	0.648	0.623
BIHAR	1.387	1.387	1.387	1.334
DBPL (CHATTISHGARH)	3.400	3.400	3.400	3.267
MANIPUR	0.000	0.000	0.000	0.000
BALCO (Chattishgarh)	0.000	0.000	0.000	0.000
FSTPP -III (WEST BENGAL)	0.046	0.046	0.046	0.044

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
SIKKIM	0.603	0.603	0.603	0.580
TAMILNAIDU	0.000	0.000	0.000	0.000
SEIL PROJECT-II(ANDHRA PRADESH)	1.840	1.840	1.840	1.768
MEGHALAYA	1.364	1.364	1.364	1.312
ANDHRA	0.371	0.371	0.371	0.357
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	169.333	169.333	169.333	162.833
DVC MEJIA (LT-08)(BYPL)	68.487	68.487	68.487	65.856
Acme_RUMS	9.095	9.095	9.095	8.746
Arinsun_RUMS	9.730	9.730	9.730	9.356
Mahindra_RUMS	9.160	9.160	9.160	8.808
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	17.049	17.049	17.049	16.394
HIMACHAL PRADESH	2.965	2.965	2.965	2.851
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)	0.850	0.850	0.850	0.817
HARYANA (LT -05)	50.743	50.743	50.743	48.797
ADHPL (HP)	0.000	0.000	0.000	0.000
ODISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	5.518	5.518	5.518	5.306
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	7.638	7.638	7.638	7.343
MP(SOLAR RUMS)	21.252	21.252	21.252	20.434
HP TPDDL (NANTI)	0.907	0.907	0.907	0.872
HP TRANDA (RAILWAYS)	1.432	1.432	1.432	1.377
ALFANAR WIND(BRPL)	23.000	23.000	23.000	22.121
ALFANAR WIND(BYPL)	7.671	7.671	7.671	7.378
KSMPL BHADLA	9.249	9.249	9.249	8.894
ALFANAR WIND(TPDDL)	7.677	7.677	7.677	7.384
POWER EXCHANGE(IEX)	253.528	243.845	253.528	243.845
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	30.060	28.914	30.060	28.914
TOTAL	**3461.690**	**3354.189**	**2031.207**	**1953.128**

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 UTTRAKHAND	-35.762	-35.762	-35.762	-37.190
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-17.353	-17.353	-17.353	-18.047
TO ORIDSHA	0.000	0.000	0.000	0.000
TO TAMILNAIDU	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MANIPUR	-5.639	-5.639	-5.639	-5.864
TO ARUNACHAL PRADESH	-11.863	-11.863	-11.863	-12.337
TO HIMACHAL PRADESH	-138.184	-138.184	-138.184	-143.707
TO GUJRAT	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-80.143	-83.374	-80.143	-83.374
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-27.777	-28.889	-27.777	-28.889
TO SHARE PROJECT (PUNJAB)	-28.054	-29.177	-28.054	-29.177
TO REAL TIME MANAGEMENT (RTM)	-48.935	-50.900	-48.935	-50.900
TOTAL	**-393.710**	**-401.141**	**-393.710**	**-409.484**
TOTAL SCHEDULED DRAWAL FROM THE GRID	**3067.981**	**2953.048**	**1637.497**	**1543.644**
TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs				2044.179
NET CONSUMPTION				**2024.811**
AVAILABILITY WITHIN DELHI				509.583
ACTUAL DRAWAL FROM THE GRID				1515.228
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY				-28.416
LOAD SHEDDING				**0.394**
UNRESTRICTED DEMAND (GROSS)				2044.573
UNRESTRICTED DEMAND (NET)				2025.205
MAX. NET CONSUMPTION				**76.162 On 31.12.20**
MAX. LOAD SHEDDING				170 MW ON 07.12.2020 AT 03:51 HRS.
PEAK LOAD	Peak Demand during the month			SHEDDING AT PEAK TIME
DAY PEAK	4671 MW AT 10.34.51 HRS ON 30.12.2020			NIL.
EVENING PEAK	3890 MW AT 18.30.00 HRS ON 30.12.2020			NIL

8 SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2020.

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
01-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30-12-20	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31-12-20	0	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**

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
01-12-20	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**
02-12-20	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**
03-12-20	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**
04-12-20	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**
05-12-20	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**
06-12-20	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**
07-12-20	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**
08-12-20	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**
09-12-20	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**
10-12-20	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**
11-12-20	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**
12-12-20	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**
13-12-20	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**
14-12-20	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**
15-12-20	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**
16-12-20	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**
17-12-20	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**
18-12-20	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**
19-12-20	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**
20-12-20	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**
21-12-20	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**
22-12-20	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**
23-12-20	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**
24-12-20	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**
25-12-20	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**
26-12-20	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**
27-12-20	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**
28-12-20	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**
29-12-20	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**
30-12-20	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**
31-12-20	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
01-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
02-12-20	0.000	0.000	0.000	0.000	0.000	0.000	**0.0006**	**0.0002**	0.000
03-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.000	0.000
04-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
05-12-20	0.000	0.000	0.000	0.000	0.000	**0.0005**	**0.0119**	0.000	0.000
06-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0002**	0.000
07-12-20	0.004	0.030	0.110	0.002	0.000	0.005	0.003	**0.0005**	0.000
08-12-20	0.000	0.009	0.002	0.000	0.000	0.000	0.003	0.008	0.000
09-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000	0.000
12-12-20	0.008	0.005	0.023	0.000	0.000	**0.0002**	0.000	0.000	0.000
13-12-20	0.000	0.005	0.003	0.000	0.000	0.000	0.002	0.024	0.000
14-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15-12-20	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.001	0.000
16-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17-12-20	0.000	0.000	0.007	0.000	0.000	0.000	0.004	0.000	0.000
18-12-20	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
20-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
21-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
24-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000
25-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28-12-20	0.000	0.000	0.000	0.000	0.000	0.000	**0.0001**	0.001	0.000
29-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
30-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
31-12-20	0.006	0.000	0.000	0.000	0.000	0.000	0.003	**0.0000**	0.000
TOTAL	**0.022**	**0.052**	**0.145**	**0.002**	**0.000**	**0.0057**	**0.1146**	**0.0389**	**0.000**

ALL FIGURES IN MUs

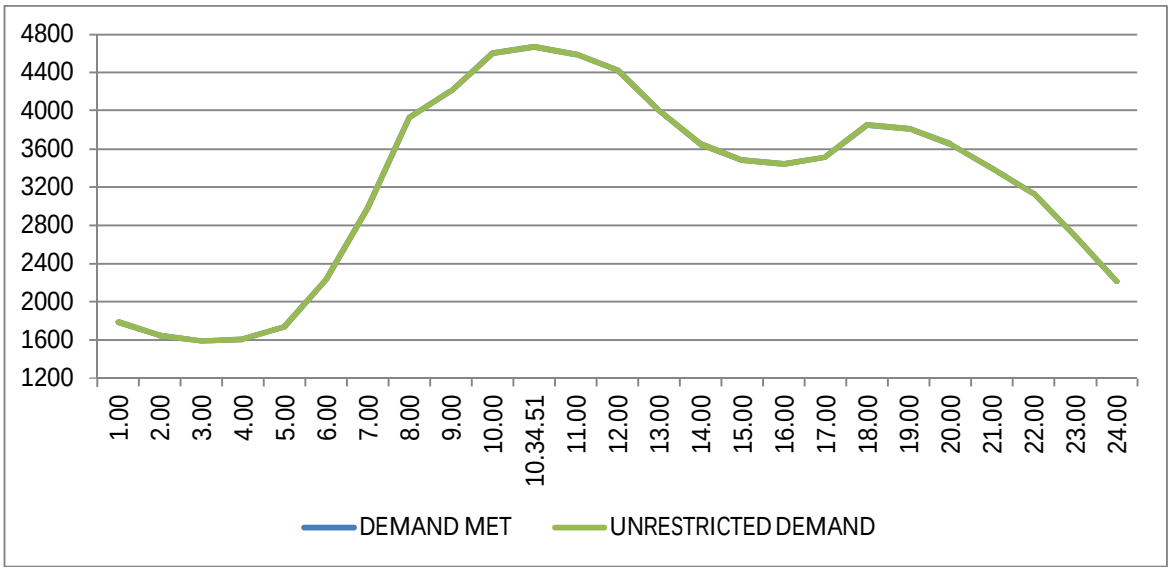
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	**42= 26 to 41**	**43 = 25 + 42**
01-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.002**	**0.002**
02-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
03-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.042**	**0.042**
04-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
05-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0124**	**0.012**
06-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
07-12-20	0.000	0.002	0.008	0.000	0.000	0.000	0.000	**0.165**	**0.165**
08-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.022**	**0.022**
09-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
10-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
11-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.018**	**0.018**
12-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0362**	**0.0362**
13-12-20	**0.0002**	0.001	0.003	0.000	0.000	0.000	0.000	**0.038**	**0.038**
14-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
15-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
16-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
17-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.011**	**0.011**
18-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.004**	**0.004**
19-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.003**	**0.003**
20-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0070**	**0.0070**
21-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
22-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
23-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
24-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.005**	**0.005**
25-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
26-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
27-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.000**	**0.000**
28-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.0011**	**0.0011**
29-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.001**	**0.001**
30-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.007**	**0.007**
31-12-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**0.009**	**0.009**
TOTAL	**0.000**	**0.003**	**0.011**	**0.000**	**0.000**	**0.000**	**0.000**	**0.394**	**0.394**

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
01-12-20	61.054	3504	10:00:23	0	3504	3504	10:00:23	3504	0
02-12-20	62.086	3693	10:03:22	0	3693	3693	10:03:22	3693	0
03-12-20	60.584	3565	10:32:13	16	3581	3583	10:00	3555	28
04-12-20	62.715	3831	09:37:34	0	3831	3831	09:37:34	3831	0
05-12-20	59.472	3472	10:30:07	0	3472	3472	10:30:07	3472	0
06-12-20	57.396	3492	11:01:00	0	3492	3492	11:01:00	3492	0
07-12-20	61.645	3648	09:40:06	0	3648	3648	09:40:06	3648	0
08-12-20	61.148	3594	10:01:24	0	3594	3594	10:01:24	3594	0
09-12-20	60.928	3651	10:25:49	0	3651	3651	10:25:49	3651	0
10-12-20	61.002	3533	10:03:45	0	3533	3533	10:03:45	3533	0
11-12-20	62.557	3718	10:24:55	0	3718	3718	10:24:55	3718	0
12-12-20	59.062	3354	11:00:46	0	3354	3354	11:00:46	3354	0
13-12-20	57.561	3580	11:01:13	0	3580	3580	11:01:13	3580	0
14-12-20	64.470	3807	09:40:47	0	3807	3807	09:40:47	3807	0
15-12-20	64.866	3941	09:56:58	0	3941	3941	09:56:58	3941	0
16-12-20	65.240	4196	10:19:33	0	4196	4196	10:19:33	4196	0
17-12-20	70.688	4284	10:00	0	4284	4284	10:00	4284	0
18-12-20	73.324	4584	10:00	0	4584	4584	10:00	4584	0
19-12-20	66.296	4166	10:32	7	4173	4173	10:32	4166	7
20-12-20	64.055	4077	11:01:07	0	4077	4077	11:01:07	4077	0
21-12-20	67.690	4238	10:33:29	0	4238	4238	10:33:29	4238	0
22-12-20	69.677	4326	10:32:03	0	4326	4326	10:32:03	4326	0
23-12-20	71.250	4358	10:3352	0	4358	4358	10:3352	4358	0
24-12-20	68.693	4265	10:02:13	0	4265	4265	10:02:13	4265	0
25-12-20	69.062	4418	11:01:17	0	4418	4418	11:01:17	4418	0
26-12-20	65.705	4112	10:24:56	0	4112	4112	10:24:56	4112	0
27-12-20	63.403	4061	10:59:09	0	4061	4061	10:59:09	4061	0
28-12-20	68.231	4313	10:25:07	0	4313	4313	10:25:07	4313	0
29-12-20	73.645	4385	10:25	0	4385	4385	10:25	4385	0
30-12-20	75.144	4671	10:34:51	0	4671	4671	10:34:51	4671	0
31-12-20	76.162	4665	09:56:10	0	4665	4665	09:56:10	4665	0
TOTAL	2024.811	4671	10:34:51	0	4671	4671	10:34:51	4671	0
		30.12.20			30.12.20				

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2020 ON 30.12.2020 - 4671 MW AT 10.34.51HRS.

All figures in MW

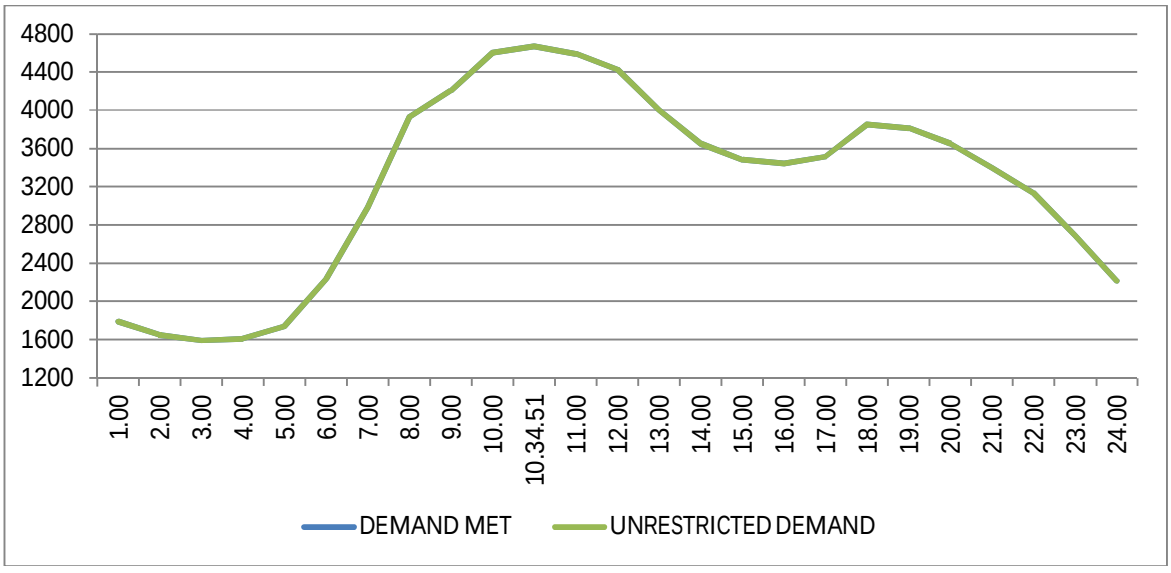
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1786	0	1786
2.00	1649	0	1649
3.00	1587	0	1587
4.00	1607	0	1607
5.00	1741	0	1741
6.00	2233	0	2233
7.00	2983	0	2983
8.00	3934	0	3934
9.00	4204	0	4204
10.00	4606	0	4606
10.34.51	4671	0	4671
11.00	4593	0	4593
12.00	4426	0	4426
13.00	4003	0	4003
14.00	3652	0	3652
15.00	3484	0	3484
16.00	3439	0	3439
17.00	3513	0	3513
18.00	3854	0	3854
19.00	3817	0	3817
20.00	3651	0	3651
21.00	3395	0	3395
22.00	3137	0	3137
23.00	2694	0	2694
24.00	2218	0	2218
Total (IN MUS)	**75.144**	**0.007**	**75.151**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2020 ON 30.12.2020 - 4671 MW AT 10.34.51 HRS.

All figures in MW

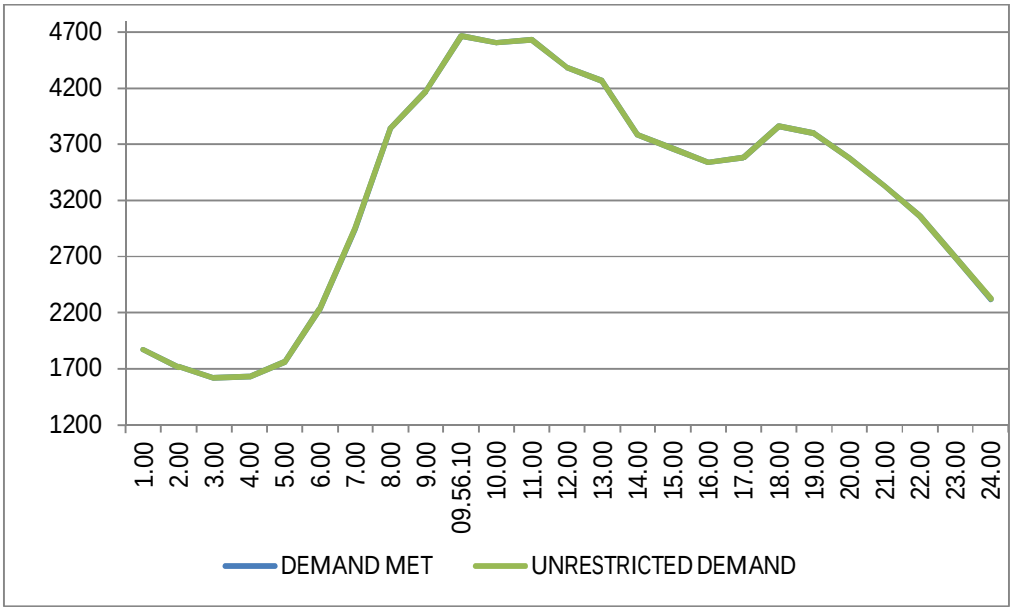
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1786	0	1786
2.00	1649	0	1649
3.00	1587	0	1587
4.00	1607	0	1607
5.00	1741	0	1741
6.00	2233	0	2233
7.00	2983	0	2983
8.00	3934	0	3934
9.00	4204	0	4204
10.00	4606	0	4606
10.34.51	4671	0	4671
11.00	4593	0	4593
12.00	4426	0	4426
13.00	4003	0	4003
14.00	3652	0	3652
15.00	3484	0	3484
16.00	3439	0	3439
17.00	3513	0	3513
18.00	3854	0	3854
19.00	3817	0	3817
20.00	3651	0	3651
21.00	3395	0	3395
22.00	3137	0	3137
23.00	2694	0	2694
24.00	2218	0	2218
Total (IN MUS)	**75.144**	**0.007**	**75.151**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2020 – 31.12.2020 – 76.162 Mus

All figures in MW

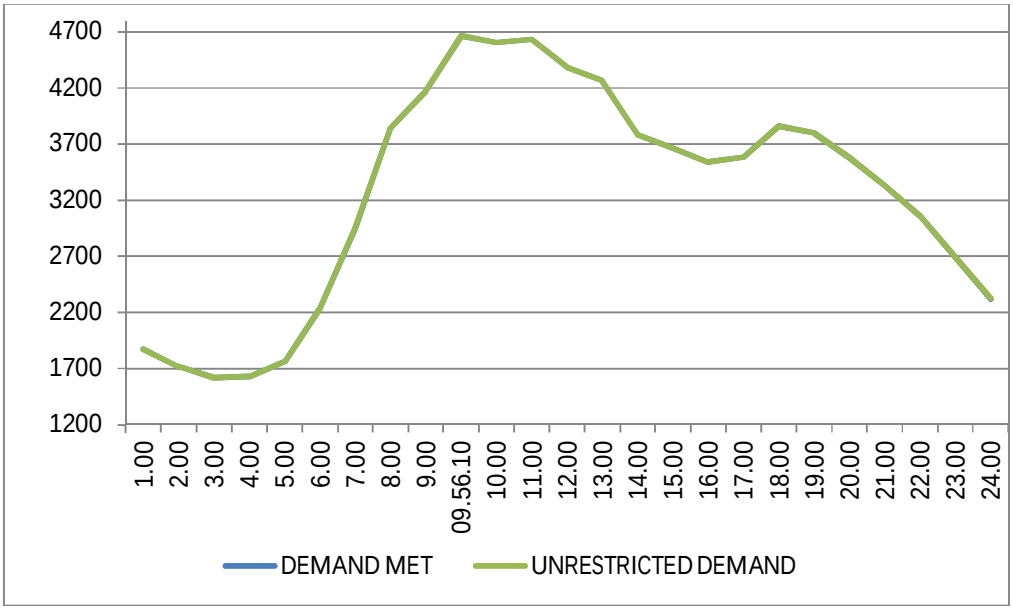
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1870	0	1870
2.00	1714	0	1714
3.00	1618	0	1618
4.00	1626	0	1626
5.00	1759	0	1759
6.00	2232	0	2232
7.00	2946	4	2950
8.00	3838	0	3838
9.00	4172	0	4172
09.56.10	4665	0	4665
10.00	4606	0	4606
11.00	4633	0	4633
12.00	4385	0	4385
13.00	4266	0	4266
14.00	3782	0	3782
15.00	3663	0	3663
16.00	3539	0	3539
17.00	3583	0	3583
18.00	3860	0	3860
19.00	3797	0	3797
20.00	3576	0	3576
21.00	3327	0	3327
22.00	3059	0	3059
23.00	2695	0	2695
24.00	2319	5	2324
Total (IN MUS)	**76.162**	**0.009**	**76.171**



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2020 – ON 31.12.2020 – 76.171 – MUs

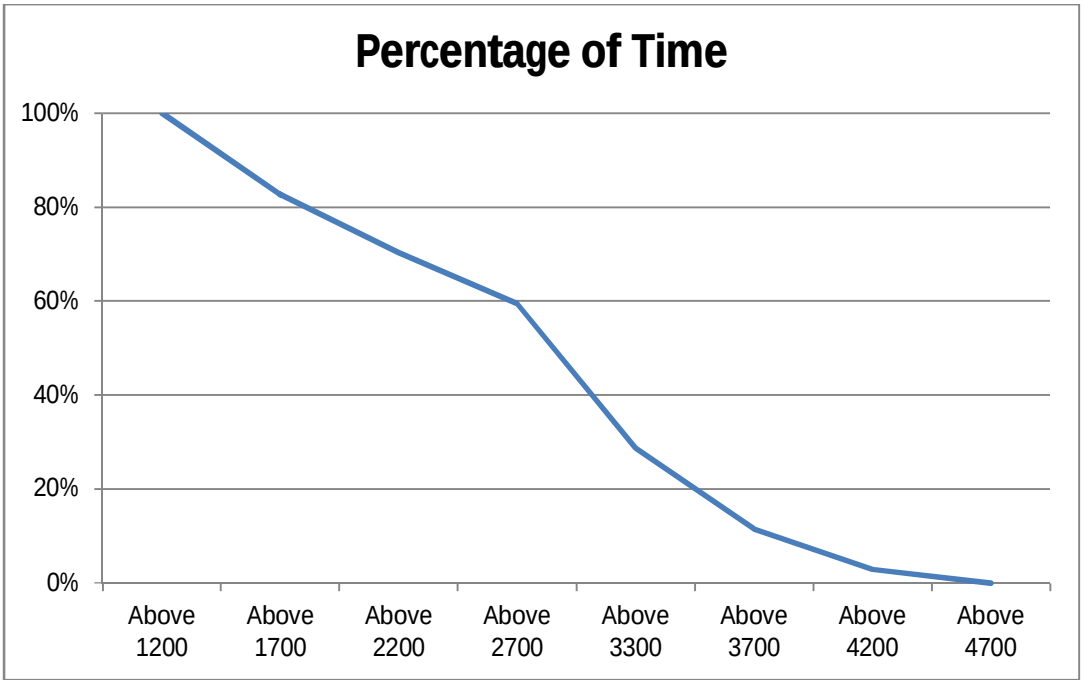
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1870	0	1870
2.00	1714	0	1714
3.00	1618	0	1618
4.00	1626	0	1626
5.00	1759	0	1759
6.00	2232	0	2232
7.00	2946	4	2950
8.00	3838	0	3838
9.00	4172	0	4172
09.56.10	4665	0	4665
10.00	4606	0	4606
11.00	4633	0	4633
12.00	4385	0	4385
13.00	4266	0	4266
14.00	3782	0	3782
15.00	3663	0	3663
16.00	3539	0	3539
17.00	3583	0	3583
18.00	3860	0	3860
19.00	3797	0	3797
20.00	3576	0	3576
21.00	3327	0	3327
22.00	3059	0	3059
23.00	2695	0	2695
24.00	2319	5	2324
Total (IN MUS)	**76.162**	**0.009**	**76.171**



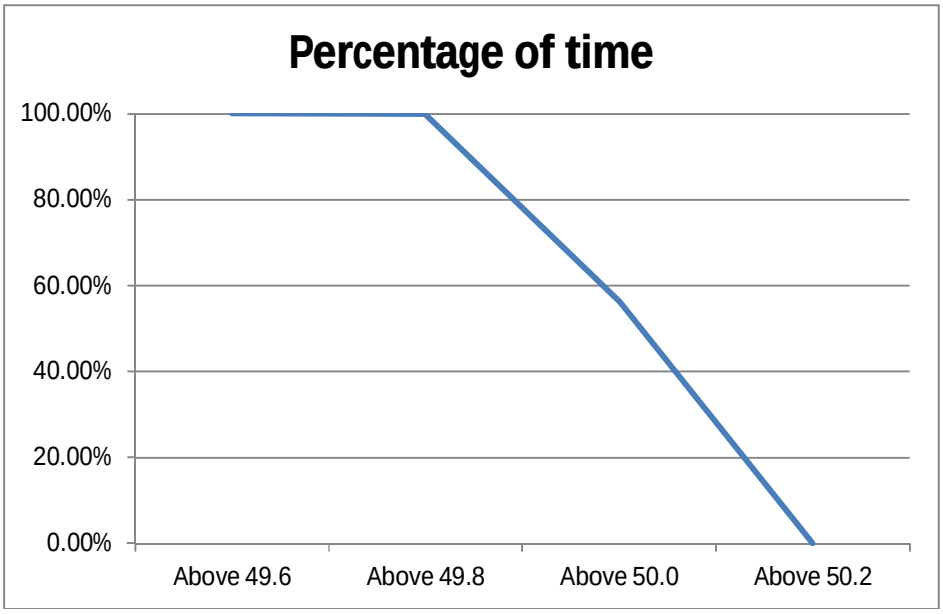
13 LOAD DURATION CURVE FOR DECEMBER 2020

Load in MW	Percentage of Time
Above 1200	100%
Above 1700	82.73%
Above 2200	70.33%
Above 2700	59.34%
Above 3300	28.73%
Above 3700	11.52%
Above 4200	2.89%
Above 4700	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2020

FREQUENCY REMAINED ABOVE IN MW	(%) OF TIME
Above 49.6	100.00%
Above 49.8	99.83%
Above 50.0	56.35%
Above 50.2	0.00%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING DECEMBER 2020

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01-12-20	233.69	214.08	--	--
02-12-20	234.07	217.82	--	--
03-12-20	235.36	217.82	--	--
04-12-20	233.82	214.34	--	--
05-12-20	233.43	217.31	--	--
06-12-20	234.33	216.66	--	--
07-12-20	234.46	216.92	--	--
08-12-20	235.36	219.76	--	--
09-12-20	234.72	217.95	--	--
10-12-20	233.3	217.05	--	--
11-12-20	234.72	216.92	--	--
12-12-20	237.04	221.18	--	--
13-12-20	235.75	221.56	239	225.62
14-12-20	237.3	216.41	239.49	219.95
15-12-20	235.36	218.6	236.42	221.78
16-12-20	236.27	217.18	237.31	220.87
17-12-20	237.3	214.6	239.25	220.65
18-12-20	236.65	213.31	238.35	217.87
19-12-20	235.62	215.76	235.1	217.87
20-12-20	234.59	216.66	235.56	218.65
21-12-20	234.33	216.92	236.12	218.41
22-12-20	233.82	217.31	236.18	218.23
23-12-20	234.33	217.05	237.03	219.22
24-12-20	234.98	218.86	238.02	222.14
25-12-20	234.46	216.28	236.47	220.91
26-12-20	235.36	218.21	236.06	220.87
27-12-20	234.72	218.98	236.49	222.1
28-12-20	234.07	216.66	235.8	219.24
29-12-20	234.07	216.66	234.22	219.77
30-12-20	233.95	216.02	235.39	219.27
31-12-20	234.72	217.57	236.33	219.76

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING DECEMBER 2020

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-12-20	417.86	4:00:28	388.54	10:35:48	408.87
02-12-20	417.86	0:00:25	404.49	16:21:42	412.22
03-12-20	420.9	13:02:35	391.59	10:12:54	407.73
04-12-20	418.56	4:01:07	385.26	09:09:57	408.33
05-12-20	419.03	20:00:32	392.06	10:15:01	408.39
06-12-20	419.03	4:00:33	388.54	10:18:54	409.01
07-12-20	418.32	4:01:37	386.67	09:10:37	409.02
08-12-20	420.2	4:01:20	394.41	09:51:11	409.59
09-12-20	419.03	0:03:43	391.12	10:18:24	407.61
10-12-20	417.86	3:59:27	391.12	10:20:57	407.35
11-12-20	419.73	4:02:10	392.06	10:13:50	409.46
12-12-20	422.78	3:50:53	396.75	12:10:48	410.86
13-12-20	419.73	4:02:26	396.28	09:18:47	411.63
14-12-20	421.84	0:57:19	388.78	09:08:20	409.86
15-12-20	418.56	0:27:12	392.06	08:40:33	408.25
16-12-20	419.73	4:00:15	392.3	09:24:26	409.01
17-12-20	422.55	4:01:38	389.72	10:22:59	410.45
18-12-20	421.61	3:16:22	387.37	11:24:22	408.41
19-12-20	419.26	3:30:34	388.08	10:11:24	407.01
20-12-20	419.26	4:01:00	389.01	09:40:37	409.79
21-12-20	419.03	23:59:52	389.25	10:09:10	409.28
22-12-20	419.26	0:02:12	389.01	09:18:23	409.76
23-12-20	419.26	4:00:36	387.84	10:19:17	409.23
24-12-20	420.9	4:00:49	393.94	11:10:40	408.91
25-12-20	419.73	4:01:32	392.3	10:41:53	409.77
26-12-20	420.43	1:09:54	393.47	10:38:36	409.7
27-12-20	419.5	4:00:48	393.94	10:17:08	409.81
28-12-20	419.03	2:59:51	391.36	09:52:11	408.15
29-12-20	417.86	3:59:54	393.23	09:45:54	406.48
30-12-20	417.15	3:01:16	390.42	11:19:07	406.05
31-12-20	416.92	4:01:09	391.36	10:22:40	406.93

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01-12-20	423.25	20:32:19	391.12	10:37:32	413.78
02-12-20	422.78	20:51:21	396.99	09:54:52	413.85
03-12-20	425.59	13:03:02	398.16	10:15:02	413.35
04-12-20	423.72	20:57:45	393.7	09:12:14	413.35
05-12-20	425.36	20:00:57	398.63	10:13:56	413.97
06-12-20	424.89	20:51:39	398.39	10:21:18	415.45
07-12-20	423.95	3:43:10	396.05	09:18:10	415.51
08-12-20	425.12	2:01:42	401.91	09:50:22	415.3
09-12-20	425.12	0:03:29	399.33	10:18:30	413.55
10-12-20	425.12	21:30:12	398.63	09:44:42	413.59
11-12-20	425.59	4:02:23	398.63	10:13:53	415.65
12-12-20	429.58	4:00:26	406.83	12:40:04	417.26
13-12-20	426.53	4:02:25	404.25	10:25:35	418.54
14-12-20	428.41	0:59:17	396.28	09:06:57	416.18
15-12-20	425.12	0:27:08	401.91	10:25:29	414.51
16-12-20	425.12	20:00:24	399.1	11:12:21	414.74
17-12-20	427.47	3:19:24	396.05	10:23:04	415.61
18-12-20	427.23	3:15:36	393.23	11:18:06	414.46
19-12-20	424.42	3:28:18	397.22	10:11:18	413.19
20-12-20	424.19	20:56:20	398.63	09:40:21	415.82
21-12-20	423.72	0:00:01	396.28	10:13:42	414.8
22-12-20	423.25	0:02:12	18.05	14:47:14	398.05
23-12-20	424.19	21:46:06	397.45	10:20:05	413.76
24-12-20	423.95	21:04:48	401.91	11:12:47	413.45
25-12-20	422.78	23:59:08	398.39	11:17:33	414.13
26-12-20	424.42	1:10:21	400.74	11:08:19	415.02
27-12-20	422.55	16:00:24	401.91	10:19:11	414.18
28-12-20	422.78	3:02:12	397.45	11:16:33	412.95
29-12-20	422.08	20:58:45	398.63	09:47:25	412.13
30-12-20	422.55	3:00:46	396.99	11:18:47	412.72
31-12-20	422.78	4:01:08	399.1	11:09:28	413.42

17 DETAILS OF BREAK-DOWNS / TRIPPING DURING THE MONTH OF DEC-2020

S. NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	3.12.20	15:54	WAZIRABAD 220/66KV 160MVA TX-I	3.12.20	16:25	PRV RELAY.
2	5.12.20	13:56	220KV BAMNAULI-PAPPANKALAN-II CKT-I	5.12.20	18:47	AT PLAPANKALAN-II : DIST PROT, ZONE-I, MAIN-II, 186. AT BAMNAULI : DIST PROT ZONE-I, 86ABC, DIST 9.182KM.
3	6.12.20	19:15	WAZIRABAD 220/66KV 100MVA TX-III	6.12.20	23:15	86
4	7.12.20	01:25	220KV MUNDKA-KANJHAWALA CKT	7.12.20	08:42	AT TIKRI KALAN : DIST PROT, RYB PHASE, DIST 17.63KM.
5	7.12.20	02:21	220KV BAMNAULI - DIAL CKT-II	7.12.20	14:19	AT BAMNAULI : DIST PROT, ZONE-I, B PHASE, DIST 890MTS. AT DIAL : DIST PROT, ZONE-II, RYB PHASE, Y PHASE PROT. TRIP. DIST 13.46KM.
6	7.12.20	03:27	220KV BAMNAULI-NAJAFGARH CKT-I	7.12.20	07:49	AT BAMNAULI : DIST PROT, ZONE-I, Y PHASE, DIST 3.9KM. 186A&B. AT NAJAFGARH : DIST PROT, ZONE -I, RYB PHASE, 86A&B, 186
7	7.12.20	03:44	220KV MUNDKA-NAJAFGARH CKT	7.12.20	14:29	AT TIKRI KALAN : DIST PROT, ZONE-III, DIFFERENTIAL FAIL, POLE DISCREPANCY, 295B, TRIP RELAY GROUP RYB, SUPERVISION RELAY B PHASE, 195B.
8	7.12.20	03:45	220KV BAMNAULI-NAJAFGARH CKT-II	7.12.20	07:58	AT BAMNAULI : DIST PROT, ZONE-I, B PHASE, DIST 5.8KM. 186. AT NAJAFGARH : DIST PROT, ZONE-I, B PHASE, 86, 186.
9	7.12.20	04:14	220KV MAHARANI BAGH - LODHI ROAD CKT-I	7.12.20	15:28	AT MAHARANI BAGH : DIST PROT, RYB PHASE, ZONE-I DIST 2.1KM.
10	7.12.20	04:22	220KV GOPALPUR-MANDOLACKT-II	7.12.20	12:16	AT MANDOLA : DIST PROT, R PHASE, DIST 17.17KM.
11	7.12.20	05:02	220KV WAZIRABAD-GEETA COLONY CKT-I	7.12.20	05:40	AT WAZIRABAD : DIST PROT, ZONE-I , TRIP YB PHASE. AT GEETA COLONY : DIST PROT, ZONE-II, B PHASE, DIST 5.308KM
12	7.12.20	05:19	220KVBAWANA- ROHINI CKT-II	7.12.20	09:37	AT BAWANA : DIST PROT, ZONE-II, B PHASE, DIST 10.23KM. AT ROHINI-I : RYB PHASE, AUTO RECLOSE, 186A&B
13	7.12.20	05:47	220KV MAHARANI BAGH - LODHI ROAD CKT-II	7.12.20	08:05	AT MAHARANI BAGH : DIST PROT, RY PHASE, ZONE-I, DIST 1.9KM
14	7.12.20	05:48	220KV WAZIRABAD-GEETA COLONY CKT-I	7.12.20	11:09	AT GEETA COLONY : DIST PROT, ZONE-II, R PHASE, DIST 5.583
15	7.12.20	05:50	220 KV TRAUMA CENTER-RIDGE VALLEY CKT-2	7.12.20	09:33	AT RIDGE VALLEY : DIST PROT, ZONE-III
16	7.12.20	06:17	220KV PRAGATI - SARITA VIHAR CKT - I	7.12.20	17:30	AT PRAGATI : DIST PROT, ZONE-I, R PHASE, DIST 7.4KM. AT SARITA VIHAR : DIST PROT ZONE-I , R PHASE, DIST 6.93KM.
17	7.12.20	06:39	220KV GEETA COLONY-PATPARGANJ CKT -II	7.12.20	06:52	AT GEETA COLONY : DIST PROT, ZONE-II, B PHASE, DIST 4.681KM. AT PATPARGANJ: AUTO RECLOSE
18	7.12.20	07:15	220KV GEETA COLONY-PATPARGANJ CKT -II	7.12.20	08:16	AT PATPARGANJ: AUTO RECLOSE. AT GEETA COLONY : DIST PROT, ZONE-I, C PHASE, DIST 1.415KM
19	7.12.20	07:15	220KV GEETA COLONY-PATPARGANJ CKT -II	7.12.20	08:16	AT PATPARGANJ: AUTO RECLOSE. AT GEETA COLONY : DIST PROT, ZONE-I, C PHASE, DIST 1.415KM
20	7.12.20	09:09	220KV MUNDKA-KANJHAWALA CKT	7.12.20	13:10	AT TIKRI KALAN : 86B
21	12.12.20	01:40	ELECTRIC LANE 220/33KV 100MVA TX-II	12.12.20	15:00	296A, ABC
22	12.12.20	03:30	220KV SHALIMARBAGH-WAZIRPUR CKT-I	12.12.20	12:12	AT SHALIMARBAGH : 186

S. NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
23	12.12.20	03:55	220KV SARITA VIHAR - BTPS CKT.-I	12.12.20	13:49	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 327.6MTS, 186A&B
24	12.12.20	03:55	220KV SARITA VIHAR - BTPS CKT.-II	12.12.20	13:49	AT SARITA VIHAR : DIST PROT, ZONE-II, DIST 103MTS.
25	12.12.20	03:58	220KV MAHARANIBAGH - TRAUMA CENTER CKT-II	12.12.20	04:13	AT TRAUMA CENTER : 86A&B.
26	12.12.20	03:58	220KV MAHARANI BAGH - ELECTRIC LANE CKT-I			AT MAHARANI BAGH : 86B
27	12.12.20	07:04	220KV GOPALPUR-MANDOLACKT-I	12.12.20	11:23	AT GOPALPUR : DIST PROT, DIST 19.5KM. AT MANDOLA : DST PROT, DIST 9.17KM.
28	12.12.20	07:15	220KV MAHARANI BAGH - SARITA VIHAR CKT	12.12.20	07:31	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 4.18KM.
29	12.12.20	07:15	SUBZI MANDI 220/33KV 100MVA TX-II	12.12.20	07:55	186
30	12.12.20	07:17	220KV GOPALPUR-MANDOLACKT-II	12.12.20	15:34	AT MANDOLA : DIST PROT, DIST 8.72KM.
31	12.12.20	11:21	220 KV PATPARGANJ - I.P. CKT-I	12.12.20	11:32	AT IP : 186.
32	12.12.20	12:51	220KV HARSH VIHAR - PREET VIHAR CKT-II	12.12.20	13:02	AT HARSH VIHAR : 86.
33	12.12.20	14:10	KANJHAWALA 220/66KV 100MVA TX-I	12.12.20	14:27	195
34	12.12.20	18:47	400KV DADRI-HARSH VIHAR CKT-I	12.12.20	19:12	AT HARSH VHAR : DIST PROT, ZONE-I, DIST 1.13KM.
35	12.12.20	19:47	HARSH VIHAR 220/66KV 160MVA ICT-1	12.12.20	21:22	E/F.
36	12.12.20	23:19	WAZIRABAD 220/66KV 100MVA TX-II	12.12.20	23:51	86
37	12.12.20	23:22	220KV WAZIRABAD-GEETA COLONY CKT-II	13.12.20	08:41	AT GEETA COLONY : DIST PROT ZONE-II, DIST 6.65KM.
38	12.12.20	23:39	220KV GOPALPUR-MANDOLACKT-II	13.12.20	18:19	AT MANDOLA : DIST PROT. DIST 19.1KM.
39	12.12.20	23:53	220KV WAZIRABAD-GEETA COLONY CKT-I	13.12.20	00:47	AT WAZIRABAD : DIST PROT, ZONE-I, DIST 5.36KM.
40	13.12.20	00:00	WAZIRABAD 220/66KV 100MVA TX-II	13.12.20	12:15	SPR.
41	13.12.20	00:07	220KV GOPALPUR-MANDOLACKT-I	13.12.20	18:19	AT MANDOLA : DIST PROT, DIST 15.7KM.
42	13.12.20	01:38	220KV GOPALPUR-SUBZI MANDI CKT-I	13.12.20	16:30	AT GOAPLPUR : DIST PRO, ZONE-I, 186.
43	13.12.20	05:00	220KV MAHARANI BAGH - LODHI ROAD CKT-II	13.12.20	05:40	AT MAHARANI BAGH : DIST PROT, DIST 1.2KM.
44	14.12.20	03:14	KANJHAWALA 220/66KV 100MVA TX-I	14.12.20	06:10	OVERFLUX
45	14.12.20	07:28	WAZIRABAD 220/66KV 100MVA TX-II			SPR.
46	14.12.20	10:41	220KV GAZIPUR- PATPARGANJ CKT	14.12.20	10:59	AT GAZIPUR : O/C, E/F.
47	15.12.20	10:45	220KV MEHRAULI - VASANT KUNJ CKT.-I	15.12.20	14:49	AT VASANT KUNJ : CVT DISAPPEAR
48	15.12.20	16:36	KANJHAWALA 220/66KV 100MVA TX-I	15.12.20	16:58	86A.
49	17.12.20	04:03	SUBZI MANDI 33/11KV, 16MVA TX-II	17.12.20	11:15	BUCHOLZ.
50	17.12.20	04:05	KANJHAWALA 220/66KV 100MVA TX-I	17.12.20	06:25	OVER FLUX.
51	17.12.20	06:30	GOPALPUR 33/11KV, 16MVA TX-I	17.12.20	11:30	BUCHOLZ.
52	17.12.20	07:03	220KVBAWANA- ROHINI CKT-I	17.12.20	08:51	AT ROHINI-I : WITHOUT INDICATION. AT BAWANA : 186A&B.

S. NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
53	18.12.20	12:15	220KV SARITA VIHAR - BTPS CKT.-I	18.12.20	15:20	AT SARIIA VIHAR : TRIPPED WITHOUT INDICATION.
54	19.12.20	14:58	220KV BAMNAULI-PAPPANKALAN-II CKT-II	19.12.20	20:00	AT PAPANKALAN-II : DIST PROT, ZONE-I, DIST 3.9KM.
55	21.12.20	16:04	220KV GEETA COLONY-PATPARGANJ CKT -II	21.12.20	17:23	AT GEETA COLONY : DIST PROT, ZONE-I, DIST 2.547KM.
56	22.12.20	14:46	400KV BAWANA-MUNDKA CKT-II	22.12.20	16:09	AT BAWANA : DIST PROT, ZONE-I, DIST 2.5MTS, 186A&B. AT TIKRI KALAN : DIST PROT, ZONE-I, Y PHASE, DIST 14.6KM.
57	22.12.20	14:46	BAWANA 400/220KV 315MVA ICT-II	22.12.20	16:09	MAIN CB NO. 852 & TIE CB NO. 952 TRIPPED ON 186A&B. MAIN CB NO. 1052 TRIPPED ON 186A&B AND 86.
58	23.12.20	13:20	220 KV I.P.- RPH CKT-I	23.12.20	14:15	AT RPH : TRIPPED ON DIFFERENTIAL.
59	24.12.20	16:03	220KV NARELA - MANDOLA CKT-II	24.12.20	17:08	AT NARELA : TRIPPED WITHOUT INDICATION.
60	27.12.20	14:18	OKHLA 220/33KV 100MVA TX-III	27.12.20	18:15	E/F.
61	31.12.20	11:45	GAZIPUR 220/66KV 100MVA TX-II	31.12.20	15:36	TRIPPED ON REF.
62	31.12.20	14:47	GAZIPUR 220/66KV 160MVA TX-I	31.12.20	15:23	O/C.
63	31.12.20	17:02	GAZIPUR 220/66KV 100MVA TX-II	31.12.20	21:48	REF.

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF DECEMBER 2020

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