DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

****

JANUARY 2022

1 SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	JAN. 2021	JAN. 2022
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)**	**5021**	**5104**
	Date	01.01.2021	14.01.2022
	Time	10.35.31	10.29.36
3	**Peak Demand met (MW)**	**5021**	**5104**
	Date	01.01.2021	14.01.2022
	Time	10.35.31	10.29.36
4	Peak Availability (MW)	4764	4898
5	Shortage (-) / Surplus (+) in MW	(-) 257	(+) 206
6	Percentage Shortage (-) / Surplus (+)	(-) 5.12	(+) 4.04
7	Maximum Energy Consume in a day (Mus)	77.902	81.583
8	Energy Consumed during the month	**2269.552**	**2265.969**
9	**Load Shedding in Mus**		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.003	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	**0.003**	**0.000**
B)	Due to Constraints in System in Mus		
	DTL	0.105	0.416
	TPDDL	0.019	0.0092
	BRPL	0.095	0.1031
	BYPL	0.019	0.0235
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.001	0.0019
	Total	**0.237**	**0.5537**
10	**Grand Total in Mus**	**0.240**	**0.5537**

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING JANUARY 2022

A) For the month of Jan 2022

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	--	--
2.	GT	30.161	1.320	28.841	14.78	33.56
3.	PPCL	118.378	2.528	115.850	48.97	140.55
4.	Bawana	225.872	9.073	216.799	21.60	717.08
5.	Towmcl	12.459	1.876	10.583	--	--
6.	EDWPCL	0.000	0.031	-0.031	--	--
7.	DMSWL	13.493	1.848	11.644	--	--
	TOTAL	**400.363**	**16.801**	**383.562**	---	891.19

B) For the Year 2021-22 (Upto January 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Jan 2022	Availability (%) for Jan 2022	PLF (%) For Jan 2022	Cumulative Generation in MUs upto Jan 2022 for the year 2021-22	Cumulative Availability in % upto Jan 2022 for the year 2021-22
RPH	135	-0.124	--	--	-1.224	--
GT	270	28.841	32.01	14.78	158.042	16.78
PPCL	330	115.850	107.99	48.97	1302.189	93.36
Bawana	1372	216.799	93.93	21.60	2660.486	90.43
Towmcl	16	10.583	--	--	118.097	--
EDWPCL	10	-0.031	--	--	4.328	--
DMSWL	24	11.644	--	--	115.141	--
TOTAL	2936	**383.562**	--	--	**4357.059**	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR JANUARY 2022

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	19.01.22	11:30	19.01.22	15:02	GT#1 out due to absolute filter replacement
2	30	01.01.22	00.00	31.01.22	23.59	Unit out due to generator rotor problem
3	30	NIL				
4	30	NIL				
5	30	01.01.22	00.00	31.01.22	23.59	Low demand
6	30	01.01.22	00.00	31.01.22	23.59	Low demand
STG-1	30	19.01.22	11.30	19.01.22	16.30	Unit tripped due to tripping of GT#1
STG-2	30	NIL				
STG-3	30	01.01.22	00.00	31.01.22	23.59	Low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	05.01.22	23.07	31.01.22	23.59	Low demand
2	104	01.01.22	00.00	05.01.22	09.50	Low demand
STG	122	NIL				

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	NIL				
2	216	NIL				
3	216	NIL				
4	216	NIL				
STG -1	254	04.01.22	12.16	04.01.22	16.53	Unit tripped due to AVR Fault
		04.01.22	18.32	04.01.22	22.00	Unit tripped due to AVR Fault
STG -2	254	NIL				

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 JANUARY 2022

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	10.30.32	34	158	305	18	0	9	524	3963	3885	78	4487	0	4487
2	10.02.28	34	161	302	13	0	8	518	3571	3618	-47	4089	0	4089
3	10.14.49	34	161	303	15	0	17	530	3991	4066	-75	4521	0	4521
4	09.59.33	35	160	304	14	0	16	529	3961	3962	-1	4490	0	4490
5	10.00.00	34	176	302	18	0	18	548	3770	3927	-157	4318	0	4318
6	10.26.00	33	166	271	13	0	18	501	3818	3838	-20	4319	0	4319
7	10.29.52	34	164	303	17	0	16	534	4125	4049	76	4659	0	4659
8	10.30.50	34	164	272	16	0	16	502	2856	3005	-149	3358	14.4	3372
9	11.09.12	34	166	284	9	0	16	509	3299	3162	137	3808	0	3808
10	10.00.00	35	160	294	15	0	16	520	4057	3953	104	4577	0	4577
11	10.40.00	32	159	303	19	0	17	530	4013	4027	-14	4543	0	4543
12	10.47.56	34	161	293	12	0	14	514	4152	4027	125	4666	0	4666
13	10.51.00	32	159	303	19	0	17	530	4085	4004	81	4615	0	4615
14	10.29.36	35	161	303	14	0	17	530	4574	4368	206	5104	0	5104
15	11.00.00	35	146	304	13	0	19	517	3534	3476	58	4051	0	4051
16	10.40.18	35	144	303	18	0	16	516	3647	3548	99	4163	0	4163
17	10.25.00	35	145	304	10	0	15	509	4416	4436	-20	4925	0	4925
18	10.30.32	35	144	303	14	0	10	506	4440	4305	135	4946	0	4946
19	10.26.28	35	145	303	14	0	15	512	4564	4394	170	5076	0	5076
20	10.36.06	34	144	303	14	0	19	514	4322	4235	87	4836	19	4855
21	10.26.00	34	146	303	10	0	20	513	4567	4429	138	5080	0	5080
22	10.29.44	35	145	304	8	0	16	508	3469	3424	45	3977	0	3977
23	11.02.41	34	144	303	17	0	19	517	3674	3604	70	4191	0	4191
24	10.25.54	34	144	303	15	0	18	514	4378	4425	-47	4892	0	4892
25	10.52.00	34	146	303	18	0	17	518	4455	4317	138	4973	0	4973
26	10.30.43	34	151	304	13	0	16	518	3707	3592	115	4225	0	4225
27	10.45.25	34	148	304	13	0	18	517	4256	4296	-40	4773	0	4773
28	10.02.09	34	156	304	12	0	16	522	4515	4521	-6	5037	0	5037
29	10.30.00	34	158	303	11	0	16	522	3901	3892	9	4423	0	4423
30	11.02.29	34	161	301	16	0	17	529	3862	379	3483	4391	0	4391
31	09.49.36	34	158	304	16	0	16	528	4058	4175	-117	4586	0	4586

6 POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING JANUARY 2022

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	10.30.32	34	158	305	18	0	9	524	3963	3885	78	4487	0	4487
2	10.02.28	34	161	302	13	0	8	518	3571	3618	-47	4089	0	4089
3	10.14.49	34	161	303	15	0	17	530	3991	4066	-75	4521	0	4521
4	09.59.33	35	160	304	14	0	16	529	3961	3962	-1	4490	0	4490
5	10.00.00	34	176	302	18	0	18	548	3770	3927	-157	4318	0	4318
6	10.26.00	33	166	271	13	0	18	501	3818	3838	-20	4319	0	4319
7	10.29.52	34	164	303	17	0	16	534	4125	4049	76	4659	0	4659
8	10.30.50	34	164	272	16	0	16	502	2856	3005	-149	3358	14.4	3372
9	11.09.12	34	166	284	9	0	16	509	3299	3162	137	3808	0	3808
10	10.00.00	35	160	294	15	0	16	520	4057	3953	104	4577	0	4577
11	10.40.00	32	159	303	19	0	17	530	4013	4027	-14	4543	0	4543
12	10.47.56	34	161	293	12	0	14	514	4152	4027	125	4666	0	4666
13	10.51.00	32	159	303	19	0	17	530	4085	4004	81	4615	0	4615
14	10.29.36	35	161	303	14	0	17	530	4574	4368	206	5104	0	5104
15	11.00.00	35	146	304	13	0	19	517	3534	3476	58	4051	0	4051
16	10.40.18	35	144	303	18	0	16	516	3647	3548	99	4163	0	4163
17	10.25.00	35	145	304	10	0	15	509	4416	4436	-20	4925	0	4925
18	10.30.32	35	144	303	14	0	10	506	4440	4305	135	4946	0	4946
19	10.26.28	35	145	303	14	0	15	512	4564	4394	170	5076	0	5076
20	10.36.06	34	144	303	14	0	19	514	4322	4235	87	4836	19	4855
21	10.26.00	34	146	303	10	0	20	513	4567	4429	138	5080	0	5080
22	10.29.44	35	145	304	8	0	16	508	3469	3424	45	3977	0	3977
23	11.02.41	34	144	303	17	0	19	517	3674	3604	70	4191	0	4191
24	10.25.54	34	144	303	15	0	18	514	4378	4425	-47	4892	0	4892
25	10.52.00	34	146	303	18	0	17	518	4455	4317	138	4973	0	4973
26	10.30.43	34	151	304	13	0	16	518	3707	3592	115	4225	0	4225
27	10.45.25	34	148	304	13	0	18	517	4256	4296	-40	4773	0	4773
28	10.02.09	34	156	304	12	0	16	522	4515	4521	-6	5037	0	5037
29	10.30.00	34	158	303	11	0	16	522	3901	3892	9	4423	0	4423
30	11.02.29	34	161	301	16	0	17	529	3862	379	3483	4391	0	4391
31	09.49.36	34	158	304	16	0	16	528	4058	4175	-117	4586	0	4586

7 SOURCEWISE SCHEDULED DRAWL FROM NORTHERN GRID AS WELL AS AVAILABILITY WITHIN DELHI FOR JANUARY 2022

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	62.364	28.807
Pragati-I	257.175	116.620
Pragati-III (Bawana)	931.880	214.827
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	13.782	13.782
TOTAL DELHI GEN.	**1265.201**	**374.037**

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	78.567	81.835
RIHAND STPS	71.383	58.430
DADRI TPS	392.110	0.000
UNCHAHAR-I TPS	16.723	4.602
UNCHAHAR-II TPS	33.345	23.095
ANTA GPP-GF	32.523	0.000
ANTA GPP-LF	0.000	0.000
ANTA GPP-RF	0.000	0.000
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	51.559	0.000
AURAIYA GPP-LF	0.000	0.000
AURAIYA GPP-RF	0.000	0.000
AURIYA CRF	0.000	0.000
DADRI GPP-GF	66.299	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.000
DADRI CRF	0.000	0.000
BAIRASIUL HEP	1.476	1.476
SALAL HEP	7.513	7.513
TANAKPUR HEP	4.402	4.402
CHAMERA HEP	0.000	0.000
URI HEP	7.971	7.971
NATHPA JHAKRI HEP	23.049	23.049
CHAMERA HEP-II	4.133	4.133
RIHAND-II STPS	92.034	78.085
DHAULIGANGA HEP	5.644	5.644
TEHRI HEP	16.235	16.235
UNCHAHAR-III TPS	20.549	14.404
DULHASTI HEP	8.748	8.748

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	524.071	194.873
SEWA-II	0.000	0.000
jhajjar	117.400	298.645
NAPP	31.943	31.943
RAPP C	25.601	25.601
RAPPB_4 C	0.000	0.000
KOTESWAR	8.801	8.801
SASAN	300.141	305.521
CHAMERA III	3.073	3.073
RIHAND3	71.200	81.301
KAHALGAON1	35.453	7.898
KAHALGAON2	112.911	87.768
TALA	4.154	4.154
FARAKA	3.769	3.769
URI 2 HEP	7.129	7.129
Parvati3	1.796	1.796
Koldam	0.000	0.000
SINGRAULI SHEP	0.128	0.128
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	9.121	0.000
Nabinagar STPS(BRBCL)	3.472	3.563
TOTAL ISGS	2194.425	1405.584
LTA	510.244	510.244
TOTAL (ISGS+LTA)	**2704.670**	**1915.828**
TOTAL AVAILABILITY	3969.871	2289.865
BILATERAL PURCHASE	283.730	283.730

8. SHEDDING DETAILS DURING THE MONTH OF JANUARY 2022.

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
01.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.01.22	0	**0.0000**	**0.0000**	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.01.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.01.22	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
01.01.22	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**
02.01.22	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**
03.01.22	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**
04.01.22	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**
05.01.22	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**
06.01.22	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**
07.01.22	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**
08.01.22	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**
09.01.22	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**
10.01.22	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**
11.01.22	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**
12.01.22	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**
13.01.22	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**
14.01.22	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**
15.01.22	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**
16.01.22	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**
17.01.22	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**
18.01.22	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**
19.01.22	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**
20.01.22	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**
21.01.22	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**
22.01.22	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**
23.01.22	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**
24.01.22	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**
25.01.22	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**
26.01.22	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**
27.01.22	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**
28.01.22	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**
29.01.22	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**
30.01.22	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**
31.01.22	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
01.01.22	0.0000	0.0319	0.0000	0.0000	0.0000	0.0000	0.0039	0.0009	0.0000
02.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
04.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0001	0.0000
05.01.22	0.0160	0.0000	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06.01.22	0.0000	0.0000	0.0024	0.0000	0.0000	0.0000	0.0076	0.0000	0.0000
07.01.22	0.0000	0.0235	0.0003	0.0000	0.0000	0.0019	0.0000	0.0000	0.0000
08.01.22	0.0055	0.2261	0.0015	0.0000	0.0000	0.0000	0.0113	0.0005	0.0000
09.01.22	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.01.22	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
11.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0023	0.0000
12.01.22	0.0000	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.0000	0.0000
14.01.22	0.0000	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
15.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16.01.22	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0053	0.0000	0.0000
17.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000	0.0000	0.0000
18.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0004	0.0000
19.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000	0.0000
20.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0088	0.0111	0.0000	0.0000
21.01.22	0.0000	0.0000	0.0397	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
22.01.22	0.0006	0.0060	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23.01.22	0.0080	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000	0.0000	0.0000
24.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000
25.01.22	0.0000	0.0049	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0024	0.0000
27.01.22	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0003	0.0000
29.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0420	0.0000	0.0000
31.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0007	0.0000	0.0000
TOTAL	**0.0320**	**0.3160**	**0.0676**	**0.0000**	**0.0000**	**0.0235**	**0.1031**	**0.0092**	**0.0000**

ALL FIGURES IN MUs

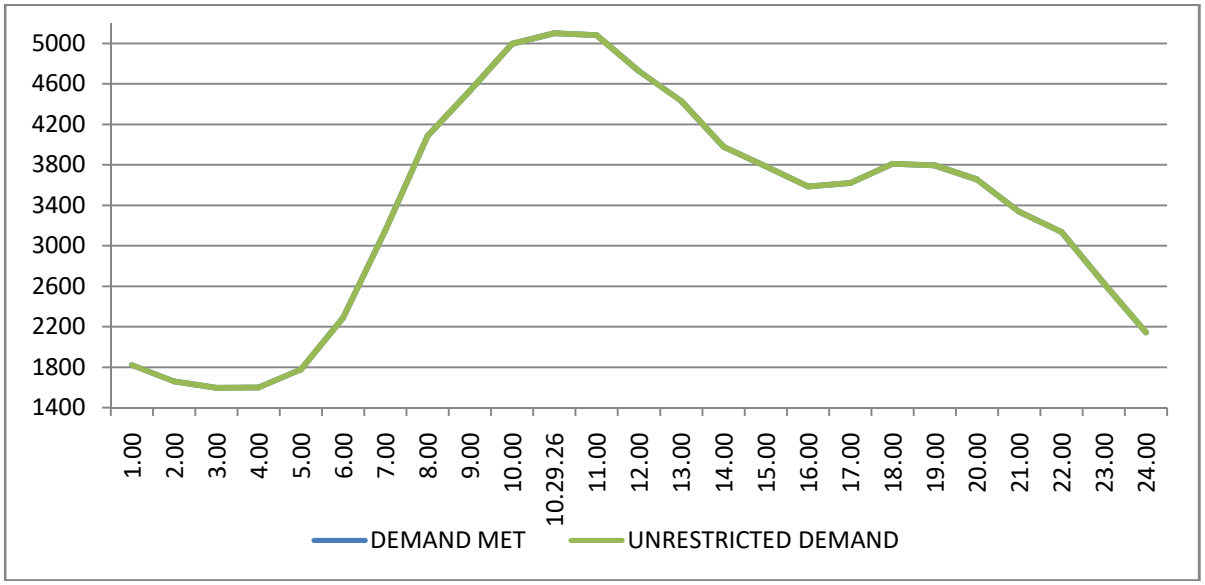
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0368**	**0.0368**
02.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	**0.0000**
03.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0005**	**0.0005**
04.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0029**	**0.0029**
05.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0375**	**0.0375**
06.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0100**	**0.0100**
07.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0258**	**0.0258**
08.01.22	0.0000	0.0011	0.0002	0.0000	0.0000	0.0000	0.0000	**0.2461**	**0.2461**
09.01.22	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	**0.0215**	**0.0215**
10.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0010**	**0.0010**
11.01.22	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0044**	**0.0044**
12.01.22	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	**0.0019**	**0.0019**
13.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0031**	**0.0031**
14.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0017**	**0.0017**
15.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	**0.0000**
16.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0061**	**0.0061**
17.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0096**	**0.0096**
18.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0044**	**0.0044**
19.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0040**	**0.0040**
20.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0199**	**0.0199**
21.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0403**	**0.0403**
22.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0072**	**0.0072**
23.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0091**	**0.0091**
24.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0020**	**0.0020**
25.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0055**	**0.0055**
26.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0035**	**0.0035**
27.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0012**	**0.0012**
28.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0025**	**0.0025**
29.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	**0.0000**
30.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0420**	**0.0420**
31.01.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0028**	**0.0028**
TOTAL	**0.0000**	**0.0012**	**0.0007**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.5532**	**0.5532**

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
01.01.22	**70.636**	**4487**	10:30:32	0	4487	**4487**	10:30:32	**4487**	0
02.01.22	**66.586**	**4089**	10:02:28	0	**4089**	**4089**	10:02:28	**4089**	0
03.01.22	**72.075**	**4521**	10:14:49	0	**4521**	**4521**	10:14:49	**4521**	0
04.01.22	**72.391**	**4490**	09:59:33	0	**4490**	**4490**	09:59:33	**4490**	0
05.01.22	**72.562**	**4318**	10:00	0	**4318**	**4318**	10:00	**4318**	0
06.01.22	**73.191**	**4319**	10:26	0	**4319**	**4319**	10:26	**4319**	0
07.01.22	**74.004**	**4659**	10:29:52	0	**4659**	**4659**	10:29:52	**4659**	0
08.01.22	**59.209**	**3358**	10:30:50	14.4	**3372**	**3372**	10:30:50	**3358**	14.4
09.01.22	**63.369**	**3808**	11:09:12	0	**3808**	**3808**	11:09:12	**3808**	0
10.01.22	**72.127**	**4577**	10:00	0	**4577**	**4577**	10:00	**4577**	0
11.01.22	**74.713**	**4543**	10:40	0	**4543**	**4543**	10:40	**4543**	0
12.01.22	**73.843**	**4666**	10:47:56	0	**4666**	**4666**	10:47:56	**4666**	0
13.01.22	**75.826**	**4616**	10:51	0	**4616**	**4616**	10:51	**4616**	0
14.01.22	**80.112**	**5104**	10:29:36	0	**5104**	**5104**	10:29:36	**5104**	0
15.01.22	**68.912**	**4051**	11:00	0	**4051**	**4051**	11:00	**4051**	0
16.01.22	**67.084**	**4163**	10:40:18	0	**4163**	**4163**	10:40:18	**4163**	0
17.01.22	**78.074**	**4925**	10:25	0	**4925**	**4925**	10:25	**4925**	0
18.01.22	**80.249**	**4946**	10:30:32	0	**4946**	**4946**	10:30:32	**4946**	0
19.01.22	**80.309**	**5077**	10:26:28	0	**5077**	**5077**	10:26:28	**5077**	0
20.01.22	**78.391**	**4836**	10:36:06	19	**4855**	**4855**	10:36:06	**4836**	19
21.01.22	**78.894**	**5081**	10:26	0	**5081**	**5081**	10:26	**5081**	0
22.01.22	**68.643**	**3976**	10:29:44	0	**3976**	**3976**	10:29:44	**3976**	0
23.01.22	**66.951**	**4191**	11:02:41	0	**4191**	**4191**	11:02:41	**4191**	0
24.01.22	**78.634**	**4892**	10:25:54	0	**4892**	**4892**	10:25:54	**4892**	0
25.01.22	**81.581**	**4973**	10:52	0	**4973**	**4973**	10:52	**4973**	0
26.01.22	**69.340**	**4225**	10:30:43	0	**4225**	**4225**	10:30:43	**4225**	0
27.01.22	**76.206**	**4773**	10:45:25	0	**4773**	**4773**	10:45:25	**4773**	0
28.01.22	**79.121**	**5037**	10:02:09	0	**5037**	**5037**	10:02:09	**5037**	0
29.01.22	**70.733**	**4423**	10:30	0	**4423**	**4423**	10:30	**4423**	0
30.01.22	**69.177**	**4391**	11:02:29	0	**4391**	**4391**	11:02:29	**4391**	0
31.01.22	**73.395**	**4586**	09:49:36	0			09:49:36	**4586**	0
TOTAL	**2266.338**	**5104**	10:29:36	0	**5104**	**5104**	10:29:36	**5104**	0

9. LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING JANUARY 2022 ON 14.01.2022 - 5104 MW AT 10.29.36HRS.

All figures in MW

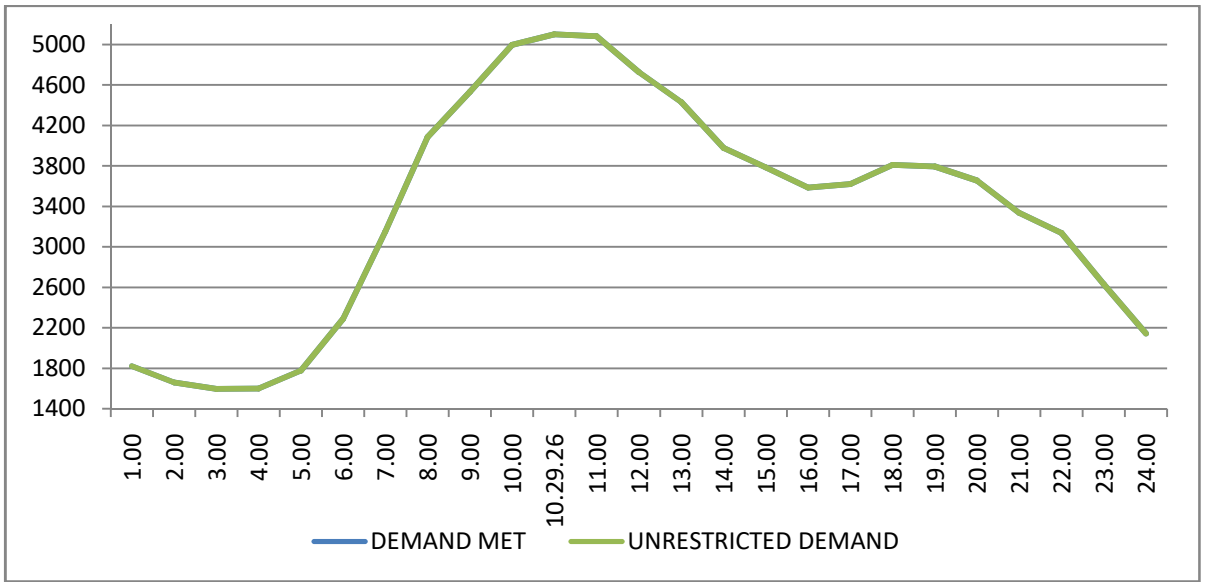
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1821	0	1821
2.00	1659	0	1659
3.00	1597	0	1597
4.00	1600	0	1600
5.00	1775	0	1775
6.00	2288	0	2288
7.00	3152	0	3152
8.00	4086	0	4086
9.00	4534	0	4534
10.00	4998	0	4998
10.29.26	5104	0	5104
11.00	5085	0	5085
12.00	4730	0	4730
13.00	4430	0	4430
14.00	3979	0	3979
15.00	3785	0	3785
16.00	3587	0	3587
17.00	3620	0	3620
18.00	3812	0	3812
19.00	3794	0	3794
20.00	3657	0	3657
21.00	3336	0	3336
22.00	3137	0	3137
23.00	2631	0	2631
24.00	2144	0	2144
Total (IN MUS)	**80.112**	**0.002**	**80.1137**



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING JANUARY 2022 ON 14.01.2022- 5104MW AT 10.29.26HRS.

All figures in MW

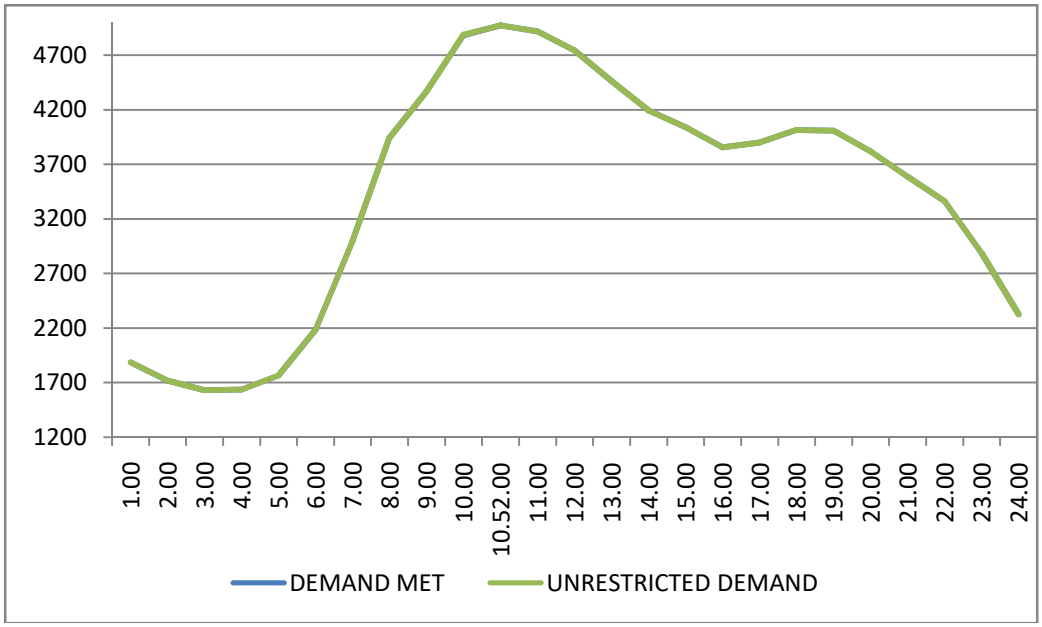
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1821	0	1821
2.00	1659	0	1659
3.00	1597	0	1597
4.00	1600	0	1600
5.00	1775	0	1775
6.00	2288	0	2288
7.00	3152	0	3152
8.00	4086	0	4086
9.00	4534	0	4534
10.00	4998	0	4998
10.29.26	5104	0	5104
11.00	5085	0	5085
12.00	4730	0	4730
13.00	4430	0	4430
14.00	3979	0	3979
15.00	3785	0	3785
16.00	3587	0	3587
17.00	3620	0	3620
18.00	3812	0	3812
19.00	3794	0	3794
20.00	3657	0	3657
21.00	3336	0	3336
22.00	3137	0	3137
23.00	2631	0	2631
24.00	2144	0	2144
Total (IN MUS)	**80.112**	**0.002**	**80.1137**



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING JANUARY 2022 – 25.01.2022 – 81.583 Mus

All figures in MW

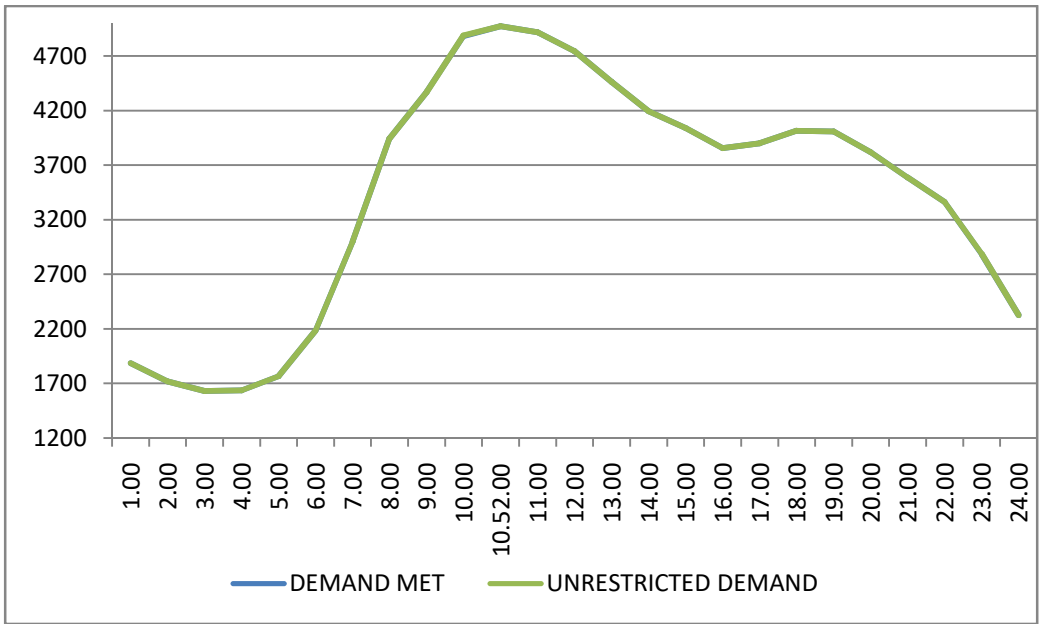
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1885	0	1885
2.00	1720	0	1720
3.00	1631	0	1631
4.00	1638	0	1638
5.00	1766	0	1766
6.00	2184	0	2184
7.00	3001	0	3001
8.00	3944	0	3944
9.00	4370	0	4370
10.00	4882	5	4887
10.52.00	4973	0	4973
11.00	4918	0	4918
12.00	4744	0	4744
13.00	4462	0	4462
14.00	4193	0	4193
15.00	4039	0	4039
16.00	3855	0	3855
17.00	3900	0	3900
18.00	4013	0	4013
19.00	4008	0	4008
20.00	3818	0	3818
21.00	3586	0	3586
22.00	3359	0	3359
23.00	2884	1	2885
24.00	2327	0	2327
Total (IN MUS)	81.583	0.005	81.588



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING JANUARY 2022 - ON 25.01.2022- 81.588-MUs

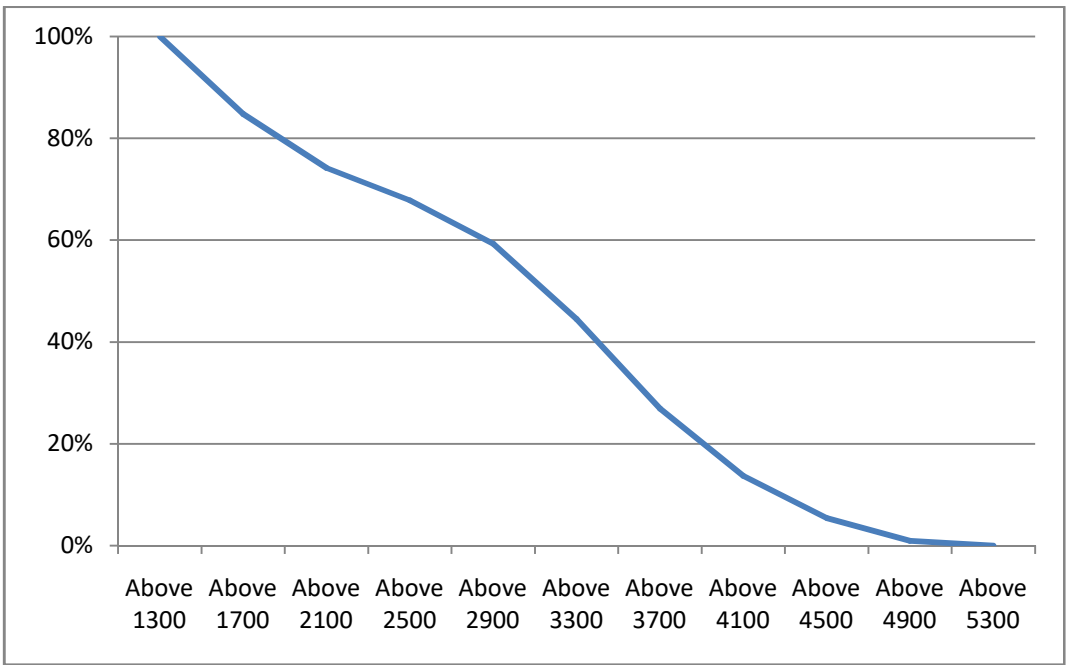
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	1885	0	1885
2.00	1720	0	1720
3.00	1631	0	1631
4.00	1638	0	1638
5.00	1766	0	1766
6.00	2184	0	2184
7.00	3001	0	3001
8.00	3944	0	3944
9.00	4370	0	4370
10.00	4882	5	4887
10.52.00	4973	0	4973
11.00	4918	0	4918
12.00	4744	0	4744
13.00	4462	0	4462
14.00	4193	0	4193
15.00	4039	0	4039
16.00	3855	0	3855
17.00	3900	0	3900
18.00	4013	0	4013
19.00	4008	0	4008
20.00	3818	0	3818
21.00	3586	0	3586
22.00	3359	0	3359
23.00	2884	1	2885
24.00	2327	0	2327
Total (IN MUS)	81.583	0.005	81.588



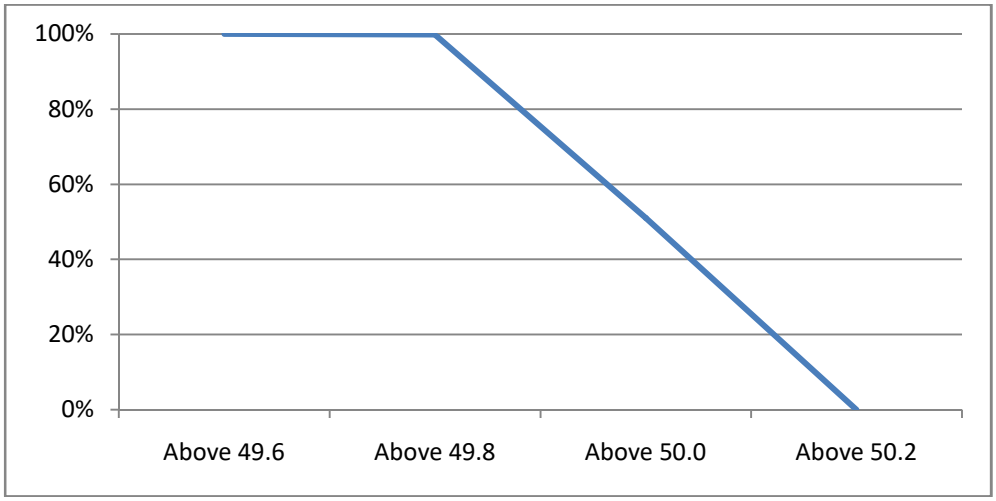
13 LOAD DURATION CURVE FOR JANUARY 2022

LOAD IN MW	(%) OF TIME
Above 1300	100%
Above 1700	84.74%
Above 2100	74.13%
Above 2500	67.81%
Above 2900	59.27%
Above 3300	44.49%
Above 3700	26.88%
Above 4100	13.68%
Above 4500	5.38%
Above 4900	0.91%
Above 5300	0.01%



14 FREQUENCY ANALYSIS FOR THE MONTH OF JANUARY 2022

Frequency Range in Hz.	Percentage of time
Above 49.6	100%
Above 49.8	99.76%
Above 50.0	51.01%
Above 50.2	0.00%



15 VOLTAGE PROFILE OF 220 KV SUB-STATIONS IN DELHI DURING JANUARY 2022

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.01.22	240.3	218.8	231.6	215.9
02.01.22	239.7	224.6	231.1	215.2
03.01.22	240.6	221.4	231.3	216.9
04.01.22	239.7	223.9	230.6	214.6
05.01.22	241.8	228.0	232.5	217.6
06.01.22	243.4	225.7	233.8	218.9
07.01.22	242.4	226.0	230.0	215.9
08.01.22	246.2	228.2	233.4	218.2
09.01.22	243.7	231.7	232.1	219.1
10.01.22	243.4	225.2	231.0	216.3
11.01.22	245.2	223.6	229.8	215.1
12.01.22	240.9	222.2	231.3	214.9
13.01.22	241.7	224.2	230.1	214.2
14.01.22	240.8	223.0	232.1	212.4
15.01.22	239.9	223.6	230.2	213.6
16.01.22	241.0	228.2	229.6	216.3
17.01.22	241.5	220.6	229.8	212.0
18.01.22	240.2	223.7	232.1	214.4
19.01.22	239.5	224.0	231.3	214.7
20.01.22	238.6	224.5	232.4	215.6
21.01.22	239.5	222.6	234.0	216.2
22.01.22	240.2	226.2	235.2	222.4
23.01.22	240.9	230.0	234.5	224.7
24.01.22	241.2	227.2	236.0	220.7
25.01.22	240.2	223.7	232.6	207.9
26.01.22	241.0	230.5	234.0	220.8
27.01.22	241.1	225.0	235.1	217.2
28.01.22	240.2	223.0	235.7	216.7
29.01.22	238.3	224.5	232.3	216.4
30.01.22	239.9	227.7	234.0	220.4
31.01.22	241.0	223.6	235.6	217.3

16 VOLTAGE PROFILE OF 400 KV SUB-STATIONS IN DELHI DURING JANUARY 2022

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.01.22	420.99	02:03:00	393.46	09:16:53	412.52
02.01.22	421.87	14:02:19	399.03	09:10:19	414.21
03.01.22	421.49	03:03:59	399.37	10:48:48	412.21
04.01.22	420.3	23:59:46	397.68	09:16:39	412.67
05.01.22	422.66	23:57:27	404.56	09:15:25	415.15
06.01.22	424.23	03:51:03	403.89	12:23:51	418.36
07.01.22	423.36	01:31:50	400.94	09:35:26	415.13
08.01.22	424.7	03:46:07	405.16	18:24:05	413.83
09.01.22	423.97	14:01:55	406.31	10:16:54	415.83
10.01.22	422.72	02:34:53	401.55	09:03:14	414.07
11.01.22	421.66	00:57:56	399.12	10:20:17	413.32
12.01.22	424.67	23:59:46	400.14	09:17:15	412.82
13.01.22	425.63	00:07:16	400.3	09:07:04	414.64
14.01.22	424.38	03:28:54	398.24	08:48:21	414.2
15.01.22	422.56	23:22:54	401.37	08:51:09	413.64
16.01.22	424.97	23:54:19	402.79	11:30:49	415.63
17.01.22	426.07	01:18:14	396.81	10:18:24	414.37
18.01.22	425.1	00:02:30	399.87	09:33:42	414.65
19.01.22	423.1	04:02:14	398.11	09:54:54	413.53
20.01.22	422.14	23:59:45	399.33	09:24:21	413.58
21.01.22	423.07	04:02:48	396.55	10:36:21	414.2
22.01.22	424.08	02:33:13	403.91	11:28:19	415.64
23.01.22	423.15	03:33:53	402.63	10:33:26	414.38
24.01.22	424.11	04:01:23	404.33	07:49:16	414.74
25.01.22	423.28	04:01:32	400.26	09:11:03	413.31
26.01.22	425.64	16:03:12	406.62	09:39:19	416.86
27.01.22	424.95	04:02:02	401.71	10:16:19	415.14
28.01.22	424.15	00:01:33	400.24	09:36:14	413.69
29.01.22	423.32	13:03:06	401.85	09:07:31	413.96
30.01.22	424.99	13:03:36	406.48	06:42:06	415.81
31.01.22	425.07	16:03:13	402.75	11:13:48	415.37

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.01.22	424.15	02:02:58	402.04	09:16:47	416.26
02.01.22	423.35	03:34:02	406.42	09:10:25	417.63
03.01.22	423.86	03:04:28	402.38	11:23:08	415.22
04.01.22	422.4	03:30:42	404.97	09:16:24	415.09
05.01.22	424.61	23:57:27	407.83	11:08:07	417.08
06.01.22	428.56	03:52:24	406.22	11:48:05	420.35
07.01.22	425.64	03:29:30	408.02	11:08:57	417.19
08.01.22	423.21	04:23:07	406.8	18:24:28	415.25
09.01.22	423.55	02:01:15	407.26	18:27:42	417.24
10.01.22	421.61	02:34:52	403.3	09:04:46	413.82
11.01.22	420.4	00:56:50	400.84	10:25:11	413.14
12.01.22	423.4	23:59:46	398.71	18:29:07	412.59
13.01.22	424.87	00:07:17	403.17	09:18:58	414.21
14.01.22	422.28	03:28:39	401.91	09:55:31	413.36
15.01.22	419.24	16:03:12	400.13	10:36:24	412.13
16.01.22	420.58	14:05:04	401.39	11:31:06	413.39
17.01.22	421.6	03:59:48	396.16	10:18:19	412.63
18.01.22	421.76	00:02:14	402.82	09:33:46	413.58
19.01.22	420.59	04:02:48	401.43	11:06:23	413.14
20.01.22	419.51	23:59:51	402.15	10:20:43	412.25
21.01.22	421.62	16:02:05	398.25	10:35:27	413.46
22.01.22	421.1	23:30:31	401.93	11:32:01	413.72
23.01.22	423.26	02:51:52	406.15	12:16:45	415.78
24.01.22	423.14	04:01:19	405.32	18:30:48	414.77
25.01.22	422.34	04:01:27	400.06	11:05:15	412.73
26.01.22	424.21	16:03:10	407.88	10:16:20	416.8
27.01.22	423.32	04:01:58	402.16	10:36:30	414.75
28.01.22	422.96	00:01:31	400.79	10:35:03	413.6
29.01.22	422.54	16:03:23	403.52	10:19:26	414.07
30.01.22	423.93	02:01:43	406.49	09:41:25	415.5
31.01.22	424.03	02:02:34	402.28	11:13:53	415.01

17 DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF JANUARY 2022

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	1.1.22	04:20	PATPARGANJ 220/66kV 100MVA Tx-II	1.1.22	14:15	86, Bucholz
2	1.1.22	19:44	PAPPANKALAN-II 220/66kV 100MVA Tx-I	1.1.22	22:20	Tripped on No indication Air pressure low C.B Lockout
3	2.1.22	07:55	MEHRAULI 220/66kV 100MVA Tx-I	2.1.22	13:48	86, LV REF, LBB
4	3.1.22	06:30	400kV Mundka-Jhatikara Ckt-I	3.1.22	09:27	Distance protection Zone-I, R Phase, A/R 8.08 Km, Ir= 16.73 KA
5	3.1.22	14:50	PATPARGANJ 66kV KHICHRIPUR CKT-2	3.1.22	19:55	Replacement of damaged Conductor.
6	5.1.22	10:13	220kV GOPALPUR- MANDOLACKT-II	5.1.22	15:51	Tripped off from mandola End
7	5.1.22	10:13	220kV GOPALPUR- MANDOLACKT-I	5.1.22	18:36	86, Y Phase Zone -I distance 1.517 Km
8	5.1.22	11:55	SUBZI MANDI 33/11kV, 16MVA Tx-II	5.1.22	17:58	SPR , 86
9	5.1.22	13:15	SUBZI MANDI 220/33kV 100MVA Tx-II	5.1.22	17:17	SPR, R.D. , Differential A
10	5.1.22	18:17	GEETA COLONY 220/33kV 100MVA Tx-I	5.1.22	22:07	Differential B Phase, 86, IB 1.687KA
11	6.1.22	03:36	220 KV PATPARGANJ - I.P. CKT-I	6.1.22	14:14	Distance protection Zone-I , 1.828 Km , O/C
12	6.1.22	04:51	220kV SARITA VIHAR - BTPS CKT.-I	6.1.22	14:44	186, 86 , distance protection Zone-II Y phase 3.558 Km, Iy= 9.878KA
13	6.1.22	05:14	SUBZI MANDI 220/33kV 100MVA Tx-II	6.1.22	15:30	SPR, 86
14	6.1.22	09:50	220kV OKHLA - BTPS CKT. - II	6.1.22	12:35	Distance protection Y Phase
15	6.1.22	14:19	TUGHLAKABAD 220/66kV 160MVA Tr. -II	6.1.22	15:20	Tr. tripped off due to electrocution of monkey
16	8.1.22	03:13	400kV Dadri - Harsh Vihar Ckt. -II	8.1.22	10:00	Gen. trip, B phase Trip, Zone-I trip, distance 22.7 Km Trip time 1ms open line 41 ms
17	8.1.22	03:46	VASANT KUNJ 220/66kV 160MVA Tx-I	8.1.22	14:42	Over voltage
18	9.1.22	03:31	R K PURAM 220/33KV 100MVA TR. -2	9.1.22	00:00	Tripped off on Over voltage
19	10.1.22	03:13	R K PURAM 220/66kV 160MVA Tx-II	10.1.22	00:00	Tripped off on Over voltage
20	10.1.22	03:25	R K PURAM 220/33kV 100MVA Tx-I	10.1.22	00:00	Tripped off on Over voltage
21	10.1.22	03:31	R K PURAM 220/33KV 100MVA TR. -2	10.1.22	00:00	Tripped off on Over voltage
22	10.1.22	16:35	NARAINA 220/33kV 100MVA Tx-III	10.1.22	18:01	To attend Hot point
23	11.1.22	12:55	ROHINI 220/66kV 100MVA Tx-IV	11.1.22	15:55	To attend hot point
24	16.1.22	17:45	PARKSTREET 220/33kV 100MVA Tx-I	17.1.22	15:26	Transformer tripped off on 86,86,30G, Bucholz, 30A, 80Dc,295CC, Tripp ckt faulty
25	18.1.22	16:57	220kV WAZIRABAD - KASHMEREGATE CKT-II	18.1.22	17:52	Tripped off on Differential RYB Phase , 86 line Differential RYB Phase
26	18.1.22	18:12	ROHINI 220/66kV 100MVA Tx-IV	18.1.22	19:55	Tripped off on 86A, 86B
27	21.1.22	03:37	220 KV PATPARGANJ - I.P. CKT-I	21.1.22	12:46	Distance Protection , B Phase Zone-I Distance 981.6mtr.
28	21.1.22	10:45	NARELA 66/11kV, 20MVA Tx-I	21.1.22	11:25	Tripped off on REF, LV, A & B Phase
29	21.1.22	10:50	GOPALPUR 220/66kV 160MVA Tx	21.1.22	18:50	Tripped off on REF, Diff , R & B Phase
30	21.1.22	21:22	SUBZI MANDI 220/33kV 100MVA Tx-I	22.1.22	15:10	Tripped off on Differential ABC, 86,95C and 186
31	22.1.22	12:30	400kV Bamnauli-Jhatikara Ckt-II	22.1.22	13:55	For attending 30 C relay work and top up SF6 Gas in CB
32	25.1.22	21:36	PATPARGANJ 220/66kV 100MVA Tx-I	25.1.22	21:58	Tripped off without Indication
33	25.1.22	22:02	SUBZI MANDI 33/11kV, 16MVA Tx-I	26.1.22	09:25	Differential C phase
34	26.1.22	18:29	WAZIRABAD 66/11kV, 20MVA Tx-III	27.1.22	16:36	Tripp on Differential R & B phase , REF L.V. side
35	27.1.22	09:21	PARKSTREET 220/33kV 100MVA Tx-I	27.1.22	16:56	Tripped off on Differential 86 RYB Phase LV REF
36	27.1.22	11:28	PATPARGANJ 220/66kV 100MVA Tx-I	27.1.22	11:36	Tripped off without Indication
37	28.1.22	16:46	220KV GAZIPUR - MAHARANIBAGH CKT. -II	28.1.22	17:58	Tripped off on Distance 7.89 K.M. R phase 4.9 KA Iy=5KA, Ib=106A
38	30.1.22	07:40	RAJGHAT 33kV G B PANT HOSPITAL CKT (BAY-13)	30.1.22	12:50	For attending Tripp ckt-I & Tripp Ckt-II fault
39	31.1.22	12:48	400kV Bamnauli-Jhatikara Ckt-II	31.1.22	13:51	Tripped off on Carrier Signal
40	31.1.22	17:02	220KVBAWANA- ROHINI CKT-I	1.2.22	16:30	Tripped off on RYB Phase Y phase 10.85 Km , 195AC LA blast at Rohini end

18 DETAILS OF UNDER FREQUENCY RELAY OPERATIONS IN DELHI POWER SYSTEM DURING THE MONTH OF JANUARY 2022

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