

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

FEBRUARY 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	FEB. 2021	FEB. 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 Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	Maximum Unrestricted Demand (MW)	4486	4985
	Date	05.02.2021	04.02.2022
	Time	10.36.24	10.11.29
3	Peak Demand met (MW)	4486	5024
	Date	05.02.2021	04.02.2022
	Time	10.36.24	10.11.29
4	Peak Availability (MW)	4450	4834
5	Shortage (-) / Surplus (+) in MW	(-) 36	(-) 151
6	Percentage Shortage (-) / Surplus (+)	(-) 0.80	(-) 3.03
7	Maximum Energy Consume in a day (Mus)	70.744	78.267
8	Energy Consumed during the month	1804.154	1872.937
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.002	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	0.018
	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	0.002	0.018
B)	Due to Constraints in System in Mus		
	DTL	0.351	0.239
	TPDDL	0.014	0.045
	BRPL	0.030	0.010
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.000	0.002
	Total	0.395	0.296
10	Grand Total in Mus	0.397	0.314

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING FEBRUARY 2022

A) For the month of Feb 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	0.112	-0.112	--	--
2.	GT	23.802	1.174	22.628	13.32	31.49
3.	PPCL	108.606	2.247	106.359	49.92	124.74
4.	Bawana	207.701	7.713	199.988	23.23	564.48
5.	Towmcl	13.262	1.800	11.462	--	720.71
6.	EDWPCL	0.000	0.028	-0.028	--	--
7.	DMSWL	12.478	1.770	10.708	--	--
	TOTAL	365.849	14.844	351.005	--	720.71

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Feb 2022	Availability (%) for Feb 2022	PLF (%) For Feb 2022	Cumulative Generation in MUs upto Feb 2022 for the year 2021-22	Cumulative Availability in % upto Feb 2022 for the year 2021-22
RPH	135	-0.112	--	--	-1.336	--
GT	270	22.628	31.21	13.32	180.670	17.99
PPCL	330	106.359	107.91	49.92	1408.548	94.53
Bawana	1372	199.988	92.34	23.23	2860.474	89.73
Towmcl	16	11.462	--	--	129.559	--
EDWPCL	10	-0.028	--	--	4.300	--
DMSWL	24	10.708	--	--	125.849	--
TOTAL	2936	351.005	--	--	4708.064	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR FEBRUARY 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	08.02.22	18:30	08.02.22	20:15	Unit tripped due to combustion trouble.
		14.02.22	17:49	14.02.22	19:15	unit tripped due to T controoler problem because of that GCV was not following reference.
		14.02.22	21:15	15.02.22	9:50	unit tripped due to T controoler problem because of that GCV was not following reference.
		15.02.22	15:15	15.02.22	20:05	unit tripped due to T controoler problem because of that GCV was not following reference.
2	30	01.02.22	00.00	28.02.22	23.59	Unit out due to generator rotor problem.
3	30	NIL				
4	30	NIL				
5	30	01.02.22	00.00	28.02.22	23.59	Low demand
6	30	01.02.22	00.00	28.02.22	23.59	Low demand
STG-1	30	08.02.22	18:30	08.02.22	20:15	Unit tripped due to GT # 1 tripping
		12.02.22	23:45	13.02.22	7:25	Unit stoped due to oil leakage in ESV
		14.02.22	17:49	14.02.22	20:22	Unit tripped due to GT # 1 tripping
		14.02.22	21:15	15.02.22	12:00	Unit tripped due to GT # 1 tripping
		15.02.22	15:15	15.02.22	20:05	Unit tripped due to GT # 1 tripping
STG-2	30	NIL				
STG-3	30	01.02.22	00.00	28.02.22	23.59	Low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.02.22	00.00	28.02.22	23.59	Low demand
2	104	NIL				
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	10.02.22	10.31	10.02.22	22.30	Unit tripped due to rotar earth fault
		18.02.22	14.00	28.02.22	23.29	Problem in generator slip ring.
4	216	NIL				
STG -1	254	NIL				
STG -2	254	10.02.22	19.36	10.02.22	22.30	Low demand
		18.02.22	14.00	28.02.22	23.59	Low demand

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION 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						NR
				BRPL	BYPL	TPDDL	NDM C	MES	RPH	
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										
<u>NTPC STATIONS</u>										
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
<u>NHPC (HYDRO)</u>										
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		
Dhaulti 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	NDM C	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				
<u>NPC (NUCLEAR)</u>										
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
<u>Allocation from ER</u>										
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
<u>Allocation from Long term Bilateral</u>										
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) ALLOCATION 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	TPDD L	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		
Kahalgaoon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-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		
Dhaulti 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		
<u>NPC (NUCLEAR)</u>										
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(Meja6)			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				
Meja-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 FEBRUARY 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	EDW PCL	DMS WL	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	09.54.29	34	159	318	12	0	13	536	4075	4072	3	4611	0	4611
2	10.00.43	35	164	316	15	0	15	545	4173	4027	146	4718	0	4718
3	10.30.00	35	163	313	19	0	17	547	4035	3992	43	4582	0	4582
4	10.11.29	36	162	291	15	0	18	522	4463	4312	151	4985	39	5024
5	10.29.34	35	161	283	18	0	18	515	4202	4013	189	4717	0	4717
6	10.26.45	35	163	300	19	0	19	536	3790	3822	-32	4326	0	4326
7	10.29.39	32	160	304	18	0	17	531	3889	3997	-108	4420	0	4420
8	10.00.44	33	161	302	12	0	17	525	3643	3717	-74	4168	0	4168
9	10.20.38	11	162	304	14	0	17	508	3760	3731	29	4268	0	4268
10	10.10.00	35	162	301	17	0	17	532	3668	3682	-14	4200	0	4200
11	10.00.20	35	161	315	15	0	16	542	3803	3881	-78	4345	0	4345
12	10.41.05	35	161	311	13	0	15	535	3503	3353	150	4038	0	4038
13	10.39.03	0	161	310	18	0	15	504	3469	3551	-82	3973	0	3973
14	10.01.09	39	161	315	19	0	17	551	3430	3503	-73	3981	0	3981
15	09.59.54	0	162	311	18	0	17	508	3418	3568	-150	3926	0	3926
16	10.28.50	41	161	312	18	0	14	546	3499	3406	93	4045	0	4045
17	09.49.45	41	162	311	18	0	17	549	3309	3383	-74	3858	0	3858
18	10.25.00	40	160	312	19	0	7	538	3491	3397	94	4029	0	4029
19	09.56.57	41	161	311	19	0	6	538	3093	3080	13	3631	0	3631
20	10.49.20	41	160	311	19	0	6	537	3319	3146	173	3856	0	3856
21	09.59.03	41	163	313	17	0	17	551	3224	3306	-82	3775	0	3775
22	09.44.09	41	161	310	19	0	18	549	3233	3304	-71	3782	0	3782
23	10.11.27	41	162	311	19	0	17	550	3333	3279	54	3883	0	3883
24	10.17.14	41	161	311	19	0	17	549	3275	3347	-72	3824	0	3824
25	10.11.38	40	160	313	19	0	19	551	3360	3342	18	3911	0	3911
26	10.04.08	41	162	311	19	0	17	550	3146	2998	148	3696	0	3696
27	10.24.05	41	159	310	19	0	18	547	3069	3125	-56	3616	0	3616
28	09.58.00	22	163	307	19	0	16	528	3177	3244	-67	3705	0	3705

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING FEBRUARY 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	EDW PCL	DMS WL	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	09.54.29	34	159	318	12	0	13	536	4075	4072	3	4611	0	4611
2	10.00.43	35	164	316	15	0	15	545	4173	4027	146	4718	0	4718
3	10.30.00	35	163	313	19	0	17	547	4035	3992	43	4582	0	4582
4	10.11.29	36	162	291	15	0	18	522	4463	4312	151	4985	39	5024
5	10.29.34	35	161	283	18	0	18	515	4202	4013	189	4717	0	4717
6	10.26.45	35	163	300	19	0	19	536	3790	3822	-32	4326	0	4326
7	10.29.39	32	160	304	18	0	17	531	3889	3997	-108	4420	0	4420
8	10.00.44	33	161	302	12	0	17	525	3643	3717	-74	4168	0	4168
9	10.20.38	11	162	304	14	0	17	508	3760	3731	29	4268	0	4268
10	10.10.00	35	162	301	17	0	17	532	3668	3682	-14	4200	0	4200
11	10.00.20	35	161	315	15	0	16	542	3803	3881	-78	4345	0	4345
12	10.41.05	35	161	311	13	0	15	535	3503	3353	150	4038	0	4038
13	10.39.03	0	161	310	18	0	15	504	3469	3551	-82	3973	0	3973
14	10.01.09	39	161	315	19	0	17	551	3430	3503	-73	3981	0	3981
15	09.59.54	0	162	311	18	0	17	508	3418	3568	-150	3926	0	3926
16	10.28.50	41	161	312	18	0	14	546	3499	3406	93	4045	0	4045
17	09.49.45	41	162	311	18	0	17	549	3309	3383	-74	3858	0	3858
18	10.25.00	40	160	312	19	0	7	538	3491	3397	94	4029	0	4029
19	09.56.57	41	161	311	19	0	6	538	3093	3080	13	3631	0	3631
20	10.49.20	41	160	311	19	0	6	537	3319	3146	173	3856	0	3856
21	09.59.03	41	163	313	17	0	17	551	3224	3306	-82	3775	0	3775
22	09.44.09	41	161	310	19	0	18	549	3233	3304	-71	3782	0	3782
23	10.11.27	41	162	311	19	0	17	550	3333	3279	54	3883	0	3883
24	10.17.14	41	161	311	19	0	17	549	3275	3347	-72	3824	0	3824
25	10.11.38	40	160	313	19	0	19	551	3360	3342	18	3911	0	3911
26	10.04.08	41	162	311	19	0	17	550	3146	2998	148	3696	0	3696
27	10.24.05	41	159	310	19	0	18	547	3069	3125	-56	3616	0	3616
28	09.58.00	22	163	307	19	0	16	528	3177	3244	-67	3705	0	3705

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	54.927	23.437
Pragati-I	232.117	107.374
Pragati-III (Bawana)	764.243	199.756
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	21.954	21.954
TOTAL DELHI GEN.	1073.240	352.521

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	102.825	86.250
RIHAND STPS	65.387	50.414
DADRI TPS	274.716	0.000
UNCHAHAHAR-I TPS	16.761	10.907
UNCHAHAHAR-II TPS	28.626	19.046
ANTA GPP-GF	31.515	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	51.365	0.000
AURAIYA GPP-LF	0.000	0.000
AURAIYA GPP-RF	0.000	0.000
AURAIYA CRF	0.000	0.000
DADRI GPP-GF	65.038	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.000
DADRI CRF	0.000	0.000
BAIRASIUL HEP	3.086	3.086
SALAL HEP	11.579	11.579
TANAKPUR HEP	1.202	1.202
CHAMERA HEP	4.207	4.207
URI HEP	11.292	11.292
NATHPA JHAKRI HEP	16.457	16.457
CHAMERA HEP-II	3.743	3.743
RIHAND-II STPS	92.033	74.967
DHAULIGANGA HEP	3.538	3.538
TEHRI HEP	15.035	15.035

NAME OF STATION	AVAILABILITY	SCHEDULE
UNCHAHAR-III TPS	20.549	13.543
DULHASTI HEP	6.355	6.355
DADRI II	439.172	326.718
SEWA-II	0.250	0.250
jhajjar	78.268	221.014
NAPP	28.773	28.773
RAPP C	33.141	33.141
RAPPB_4 C	0.000	0.000
KOTESWAR	8.845	8.845
SASAN	298.972	270.039
CHAMERA III	2.642	2.642
RIHAND3	48.174	39.581
KAHALGAON1	35.519	25.375
KAHALGAON2	92.092	69.760
TALA	0.000	0.000
FARAKA	10.884	10.884
URI 2 HEP	9.702	9.702
Parvati3	1.385	1.385
Koldam	0.000	0.000
SINGRAULI SHEP	0.488	0.488
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	11.998	0.000
Nabinagar STPS(BRBCL)	2.784	8.142
TOTAL ISGS	1928.401	1388.361
LTA	465.968	465.968
TOTAL (ISGS+LTA)	2394.369	1854.328
TOTAL AVAILABILITY	3467.609	2206.849
BILATERAL PURCHASE	133.944	133.944

8. SHEDDING DETAILS DURING THE MONTH OF FEBRUARY 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
01.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.02.22	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

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES		TPDDL	BSES		TPDDL	NDMC		
	BYPL	BRPL			BYPL	BRPL		BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.02.22	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
02.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0181	0.000	0.0181	0.0181
03.02.22	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
04.02.22	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
05.02.22	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
06.02.22	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
07.02.22	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
08.02.22	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
09.02.22	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
10.02.22	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
11.02.22	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
12.02.22	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
13.02.22	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
14.02.22	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
15.02.22	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
16.02.22	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
17.02.22	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
18.02.22	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
19.02.22	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
20.02.22	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
21.02.22	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
22.02.22	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
23.02.22	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
24.02.22	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
25.02.22	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
26.02.22	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
27.02.22	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
28.02.22	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	0.0181	0.000	0.0181	0.0181

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
01.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02.02.22	0.0000	0.0005	0.0038	0.0000	0.0000	0.0000	0.0000	0.0268	0.0000
03.02.22	0.0000	0.0261	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04.02.22	0.0000	0.0504	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000
05.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
06.02.22	0.0000	0.1523	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07.02.22	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
08.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
09.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0058	0.0026	0.0000
15.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000
16.02.22	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000	0.0000
17.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000	0.0000
19.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
20.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0063	0.0000
21.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22.02.22	0.0000	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0000
23.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
25.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
27.02.22	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.02.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0012	0.2338	0.0045	0.0000	0.0000	0.0000	0.0095	0.0177	0.0000

ALL FIGURES IN MUS

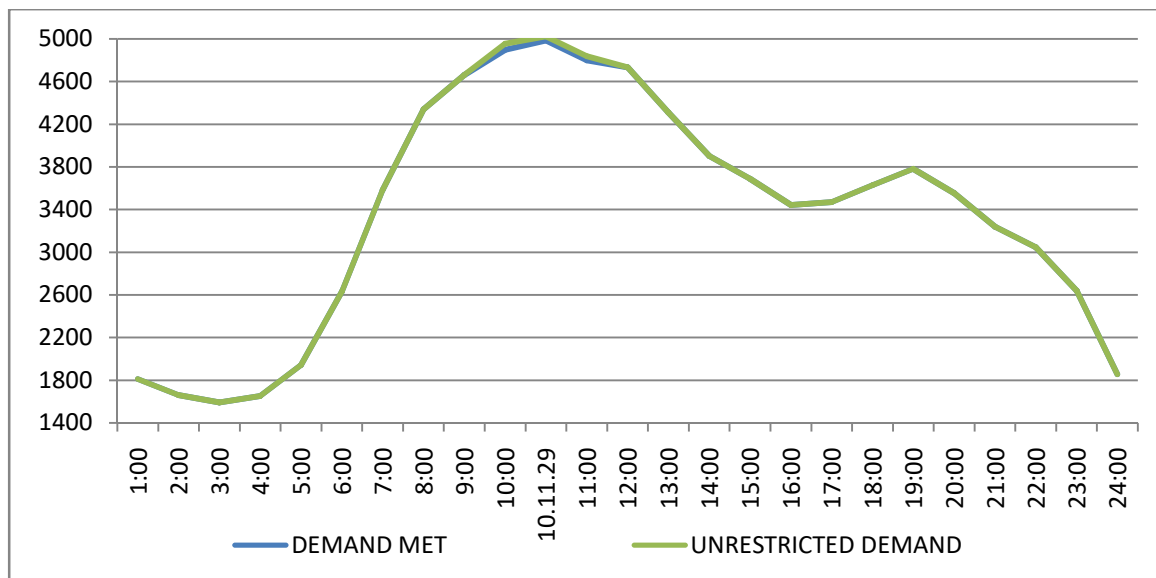
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
02.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0312	0.0493
03.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0261	0.0261
04.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0524	0.0524
05.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0013	0.0013
06.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1526	0.1526
07.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
08.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
09.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
10.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
11.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
12.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
13.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
14.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0084	0.0084
15.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0005	0.0005
16.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0022	0.0022
17.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
18.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0021	0.0021
19.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
20.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0066	0.0066
21.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
22.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0030	0.0030
23.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
24.02.22	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.0016	0.0016
25.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
26.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0037	0.0037
27.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0023	0.0023
28.02.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
TOTAL	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.2953	0.3134

DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED 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
01.02.22	73.985	4611	9:54:29	0	4611	4611	9:54:29	4611	0
02.02.22	73.679	4718	10:00:43	0	4718	4718	10:00:43	4718	0
03.02.22	75.874	4582	10:30:00	0	4582	4582	10:30:00	4582	0
04.02.22	78.268	4985	10:11:29	39	5024	4985	10:11:29	4985	39
05.02.22	73.555	4717	10:29:34	0	4717	4717	10:29:34	4717	0
06.02.22	68.338	4326	10:26:45	0	4326	4326	10:26:45	4326	0
07.02.22	71.235	4420	10:29:39	0	4420	4420	10:29:39	4420	0
08.02.22	69.199	4168	10:00:44	0	4168	4168	10:00:44	4168	0
09.02.22	68.813	4268	10:20:38	0	4268	4268	10:20:38	4268	0
10.02.22	68.908	4200	10:10:00	0	4200	4200	10:10:00	4200	0
11.02.22	70.808	4345	10:00:20	0	4345	4345	10:00:20	4345	0
12.02.22	63.299	4038	10:41:05	0	4038	4038	10:41:05	4038	0
13.02.22	62.508	3973	10:39:03	0	3973	3973	10:39:03	3973	0
14.02.22	65.584	3981	10:01:09	0	3981	3981	10:01:09	3981	0
15.02.22	65.236	3931	9:59:54	0	3931	3931	9:59:54	3931	0
16.02.22	66.315	4045	10:28:50	0	4045	4045	10:28:50	4045	0
17.02.22	64.556	3858	9:49:45	0	3858	3858	9:49:45	3858	0
18.02.22	67.181	4028	10:25:00	0	4028	4028	10:25:00	4028	0
19.02.22	59.967	3631	9:56:57	0	3631	3631	9:56:57	3631	0
20.02.22	59.566	3856	10:49:20	0	3856	3856	10:49:20	3856	0
21.02.22	65.043	3775	9:59:03	0	3775	3775	9:59:03	3775	0
22.02.22	64.595	3782	9:44:09	0	3782	3782	9:44:09	3782	0
23.02.22	64.275	3883	10:11:27	0	3883	3883	10:11:27	3883	0
24.02.22	63.674	3823	10:17:14	0	3823	3823	10:17:14	3823	0
25.02.22	64.5	3910	10:11:38	0	3910	3910	10:11:38	3910	0
26.02.22	61.839	3676	10:04:08	0	3676	3676	10:04:08	3676	0
27.02.22	59.281	3615	10:24:05	0	3615	3615	10:24:05	3615	0
28.02.22	62.861	3705	9:58:00	0	3705	3705	9:58:00	3705	0
TOTAL	1872.942	4985	10.11.29	39	5024	5024	10.11.29	4985	39
		04.02.2022			04.02.2022				

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING FEBRUARY 2022 ON 04.02.2022 - 4985 MW AT 10.11.29HRS.**

All figures in MW

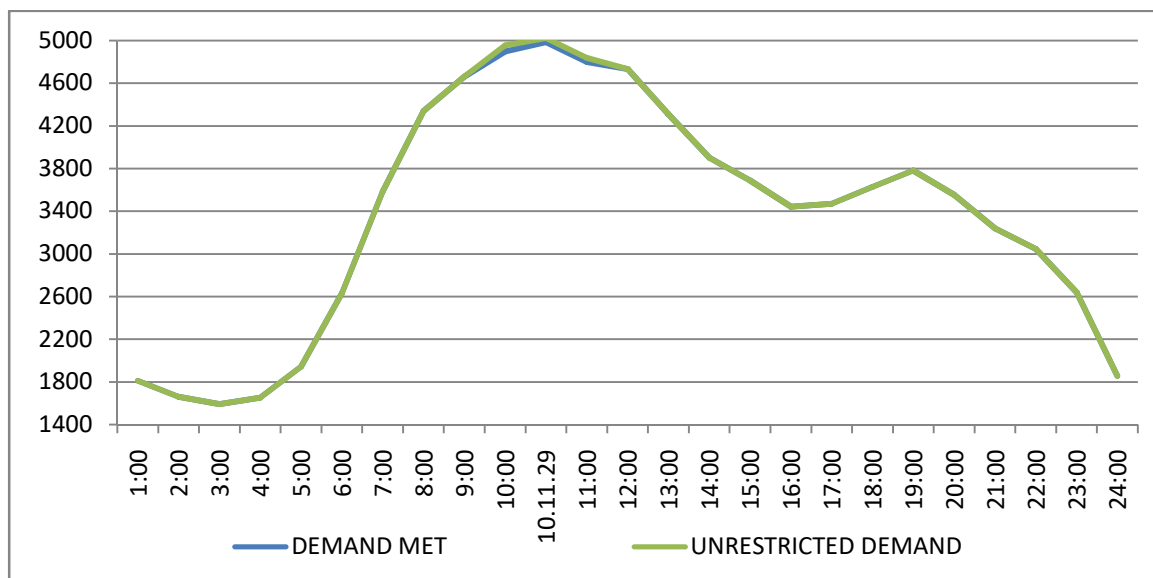
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1810	0	1810
2:00	1661	0	1661
3:00	1592	0	1592
4:00	1652	0	1652
5:00	1944	0	1944
6:00	2634	0	2634
7:00	3582	0	3582
8:00	4338	0	4338
9:00	4661	0	4661
10:00	4898	55	4953
10.11.29	4985	39	5024
11:00	4797	39	4836
12:00	4733	0	4733
13:00	4309	0	4309
14:00	3901	0	3901
15:00	3687	0	3687
16:00	3441	0	3441
17:00	3469	0	3469
18:00	3628	0	3628
19:00	3782	0	3782
20:00	3553	0	3553
21:00	3238	0	3238
22:00	3045	0	3045
23:00	2640	0	2640
24:00	1856	0	1856
Total (IN MUS)	78.268	0.052	78.320



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING FEBRUARY 2022 ON 04.02.2022- 5024MW AT 10.11.29HRS.

All figures in MW

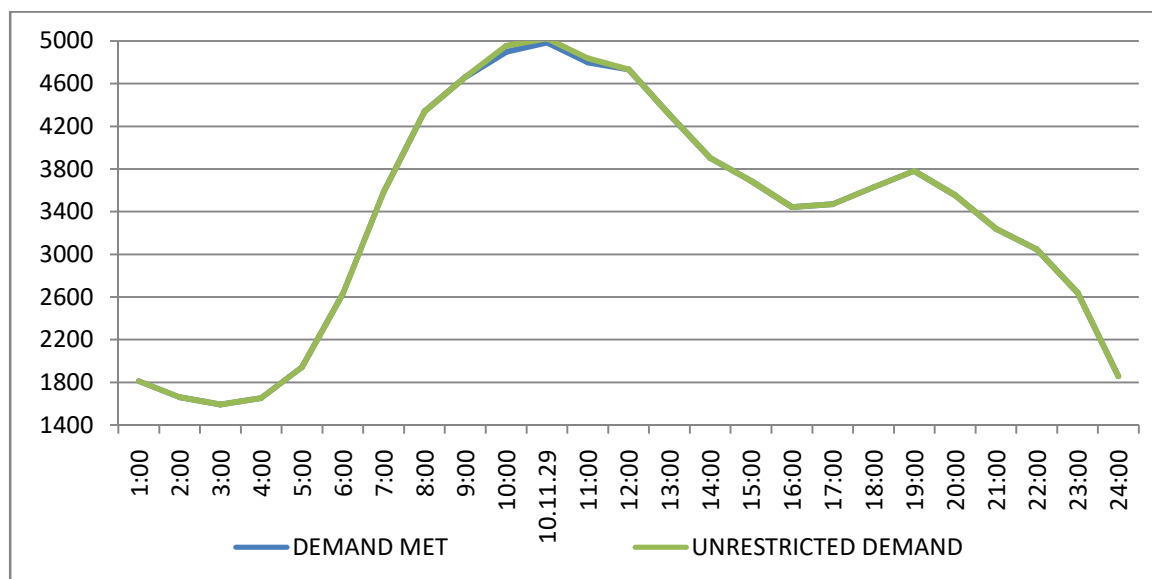
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1810	0	1810
2:00	1661	0	1661
3:00	1592	0	1592
4:00	1652	0	1652
5:00	1944	0	1944
6:00	2634	0	2634
7:00	3582	0	3582
8:00	4338	0	4338
9:00	4661	0	4661
10:00	4898	55	4953
10.11.29	4985	39	5024
11:00	4797	39	4836
12:00	4733	0	4733
13:00	4309	0	4309
14:00	3901	0	3901
15:00	3687	0	3687
16:00	3441	0	3441
17:00	3469	0	3469
18:00	3628	0	3628
19:00	3782	0	3782
20:00	3553	0	3553
21:00	3238	0	3238
22:00	3045	0	3045
23:00	2640	0	2640
24:00	1856	0	1856
Total (IN MUS)	78.268	0.052	78.320



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING FEBRUARY 2022 – 04.02.2022 – 78.267 Mus

All figures in MW

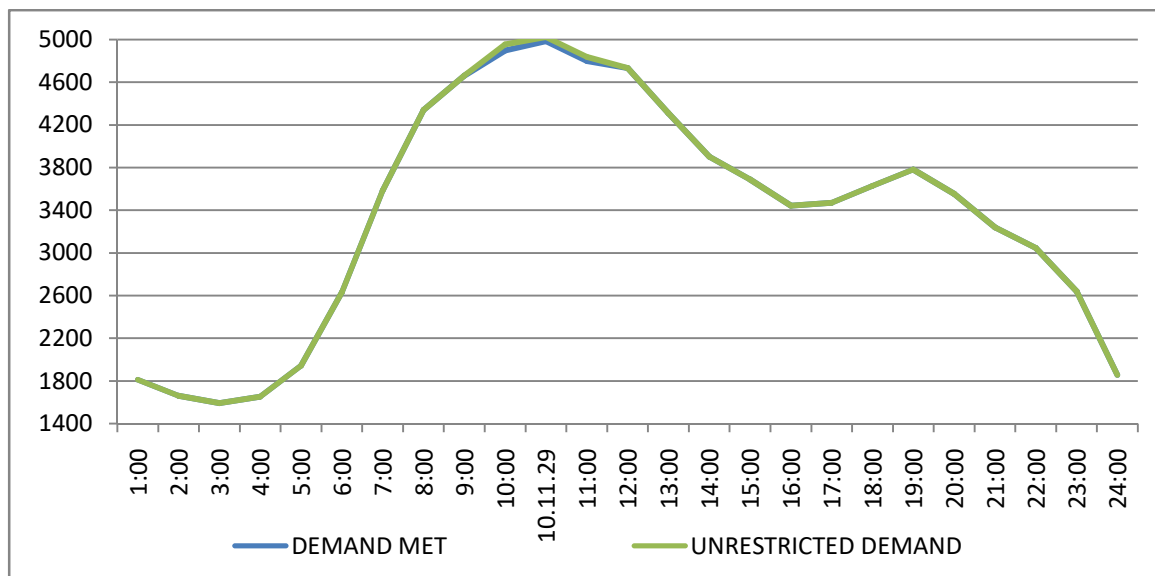
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1810	0	1810
2:00	1661	0	1661
3:00	1592	0	1592
4:00	1652	0	1652
5:00	1944	0	1944
6:00	2634	0	2634
7:00	3582	0	3582
8:00	4338	0	4338
9:00	4661	0	4661
10:00	4898	55	4953
10.11.29	4985	39	5024
11:00	4797	39	4836
12:00	4733	0	4733
13:00	4309	0	4309
14:00	3901	0	3901
15:00	3687	0	3687
16:00	3441	0	3441
17:00	3469	0	3469
18:00	3628	0	3628
19:00	3782	0	3782
20:00	3553	0	3553
21:00	3238	0	3238
22:00	3045	0	3045
23:00	2640	0	2640
24:00	1856	0	1856
Total (IN MUS)	78.268	0.052	78.320



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING FEBRUARY 2022 - ON 04.02.2022- 78.317-MUs

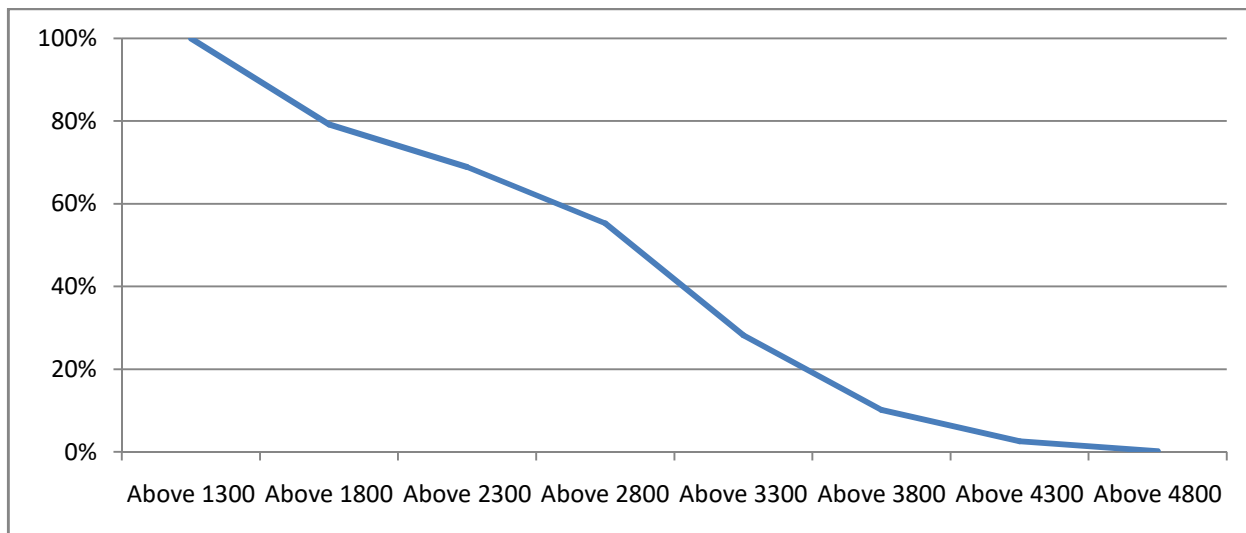
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1:00	1810	0	1810
2:00	1661	0	1661
3:00	1592	0	1592
4:00	1652	0	1652
5:00	1944	0	1944
6:00	2634	0	2634
7:00	3582	0	3582
8:00	4338	0	4338
9:00	4661	0	4661
10:00	4898	55	4953
10.11.29	4985	39	5024
11:00	4797	39	4836
12:00	4733	0	4733
13:00	4309	0	4309
14:00	3901	0	3901
15:00	3687	0	3687
16:00	3441	0	3441
17:00	3469	0	3469
18:00	3628	0	3628
19:00	3782	0	3782
20:00	3553	0	3553
21:00	3238	0	3238
22:00	3045	0	3045
23:00	2640	0	2640
24:00	1856	0	1856
Total (IN MUS)	78.268	0.052	78.320



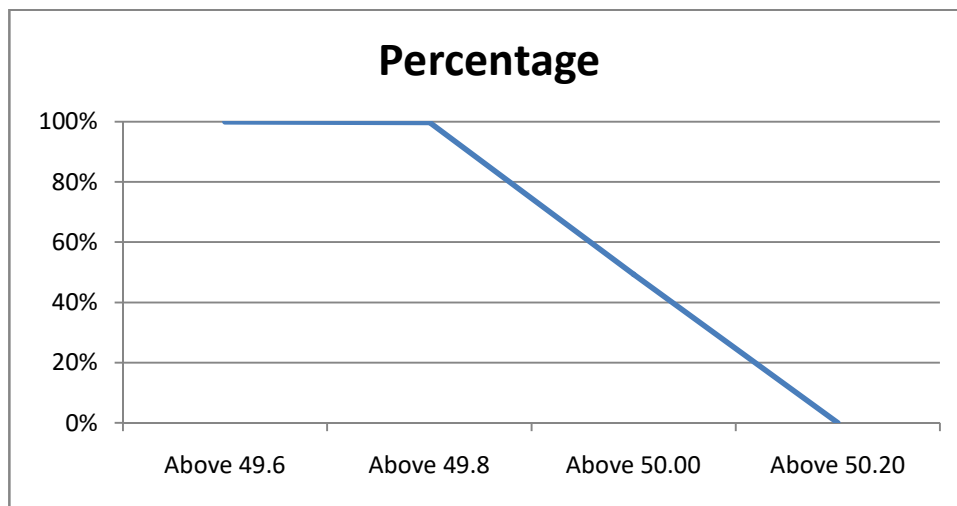
13 LOAD DURATION CURVE FOR FEBRUARY 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1300	100%
Above 1800	79.17%
Above 2300	68.86%
Above 2800	55.25%
Above 3300	28.20%
Above 3800	10.12%
Above 4300	2.60%
Above 4800	0.19%



14 FREQUENCY ANALYSIS FOR THE MONTH OF FEBRUARY 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.73%
Above 50.00	49.25%
Above 50.20	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.02.22	240.1	224.9	235.9	222.5
02.02.22	239.8	225.3	236.1	222.5
03.02.22	242.0	210.9	237.6	221.4
04.02.22	240.4	213.8	235.6	218.0
05.02.22	233.2	209.1	235.8	218.7
06.02.22	233.6	222.1	237.4	223.8
07.02.22	233.8	218.5	238.8	219.4
08.02.22	233.2	219.1	235.3	221.9
09.02.22	233.6	223.8	235.6	224.7
10.02.22	232.2	221.9	234.6	224.4
11.02.22	233.3	219.9	234.3	222.3
12.02.22	232.9	220.6	233.7	223.0
13.02.22	231.9	222.5	235.1	225.6
14.02.22	233.2	219.3	235.9	222.4
15.02.22	233.5	218.7	235.9	220.9
16.02.22	230.8	217.3	233.1	220.2
17.02.22	231.7	218.6	234.7	221.1
18.02.22	232.6	218.3	235.7	220.6
19.02.22	232.6	218.7	234.7	221.3
20.02.22	230.8	219.8	233.3	220.3
21.02.22	231.5	217.4	234.2	--
22.02.22	232.2	218.2	232.8	215.3
23.02.22	233.0	217.0	233.1	215.1
24.02.22	231.8	216.2	231.9	213.3
25.02.22	232.9	216.0	232.1	213.7
26.02.22	233.6	222.7	232.2	218.6
27.02.22	233.5	222.3	230.0	217.7
28.02.22	232.3	219.3	231.3	216.6

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.02.22	424.22	0:03:18	402.39	11:24:06	414.4
02.02.22	423.32	16:03:00	403.5	9:16:29	415.32
03.02.22	427.52	4:01:08	402.63	10:48:31	415.5
04.02.22	424.02	4:03:04	396.98	11:18:39	415.11
05.02.22	424.76	16:03:10	397.22	11:18:36	415.12
06.02.22	433.48	16:06:01	406.58	9:08:58	419.45
07.02.22	427.36	2:01:23	398	10:16:59	415.73
08.02.22	424.66	4:00:58	400.99	10:46:51	414.76
09.02.22	424.84	4:02:39	406.24	9:23:15	415.82
10.02.22	422.95	4:01:28	404.37	18:48:37	414.35
11.02.22	422.94	4:01:08	401.61	10:15:58	413.75
12.02.22	421.29	4:02:13	403.3	10:09:42	413.45
13.02.22	423.4	15:35:50	404.95	6:27:29	415.33
14.02.22	425.18	4:01:51	400.94	6:57:40	414.28
15.02.22	426.14	4:01:28	399.06	11:08:49	413.14
16.02.22	419.68	4:01:15	398.51	10:12:31	412.29
17.02.22	420.59	4:02:58	400.59	11:36:53	413.24
18.02.22	423.11	4:01:58	399.43	9:48:56	413.09
19.02.22	422.65	4:01:37	398.14	12:37:15	412.38
20.02.22	422.06	16:01:52	402.71	10:11:56	412.24
21.02.22	423.61	4:01:12	397.84	10:38:24	412.59
22.02.22	421.95	2:00:49	399.18	10:36:28	413.03
23.02.22	422.73	1:20:39	396.99	9:20:25	411.48
24.02.22	420.34	3:01:00	392.34	12:14:11	410.52
25.02.22	422.67	17:02:49	394.24	10:52:20	412.41
26.02.22	421.32	0:47:26	404.57	10:35:39	413.52
27.02.22	422.25	16:00:18	402.29	10:39:18	413.74
28.02.22	421.22	4:01:52	401.06	10:20:40	411.71

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.02.22	423.3	0:03:04	402.74	11:23:59	414.11
02.02.22	422.85	4:01:39	403.32	12:11:04	415.27
03.02.22	425.28	4:01:09	405.13	11:18:30	415.62
04.02.22	423.97	21:30:31	399	11:18:33	415.2
05.02.22	424.31	4:02:43	0	11:07:08	284.54
06.02.22	422.35	4:02:38	405.32	11:18:33	414.7
07.02.22	422.23	2:01:44	397.54	10:20:34	411.98
08.02.22	420.28	4:01:26	401.28	10:46:50	412.94
09.02.22	424.88	4:03:02	408.76	18:50:55	416.45
10.02.22	422.53	4:01:38	406.81	18:51:40	414.78
11.02.22	422.41	4:00:43	403.93	11:26:40	414.42
12.02.22	421.11	4:02:31	405.7	11:15:28	413.82
13.02.22	422.33	15:36:07	407.29	6:27:26	415.94
14.02.22	424.82	4:02:00	402.92	11:07:14	414.23
15.02.22	426.04	4:01:34	400.75	11:42:47	413.3
16.02.22	419.5	17:04:07	398.61	11:09:16	412
17.02.22	421.34	4:03:00	399.44	11:38:51	413.78
18.02.22	423.81	4:01:47	400.63	11:33:58	414.52
19.02.22	424.33	4:01:34	399.48	11:49:25	413.9
20.02.22	423.94	16:02:08	404.7	10:18:01	414.13
21.02.22	423.5	4:01:01	398.02	10:38:14	413.03
22.02.22	423.26	23:32:47	398.2	11:34:20	413.44
23.02.22	424.43	1:20:33	399.81	10:42:45	413.98
24.02.22	421.77	3:01:15	394.13	12:14:16	412.36
25.02.22	423.54	17:02:31	396.41	10:47:10	413.75
26.02.22	424.51	0:47:28	406.47	18:47:55	415.27
27.02.22	423.28	3:46:58	406.23	12:34:49	416.04
28.02.22	421.32	4:01:33	401.92	10:42:06	412.65

DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF FEBRUARY 2022

SL N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	2.2.22	12:22	220kV GOPALPUR- MANDOLACKT-II	2.2.22	14:59	SPS operated due to tripping of HVDC Rihrad- Dadri Ckt.
2	2.2.22	12:22	220kV GOPALPUR-SUBZI MANDI CKT-I	2.2.22	14:59	SPS Operated due to tripping of HVDC Rihard - Dadri Ckt.
3	3.2.22	2:50	GAZIPUR 220/66kV 160MVA Tx-I	3.2.22	6:40	Tripped off on over flux
4	3.2.22	7:41	220kV BAMNAULI- PAPPANKALAN-I CKT-I	3.2.22	16:09	Distance protection, Z-I , C Phase
5	6.2.22	10:58	220kV BAMNAULI- PAPPANKALAN-I CKT-II	11.2.22	18:40	Conductor snapped
6	6.2.22	11:06	220kV BAMNAULI- PAPPANKALAN-I CKT-I	11.2.22	18:40	Conductor Snapped
7	6.2.22	15:01	GAZIPUR 220/66kV 160MVA Tx-I	6.2.22	18:43	Tripped off on Over Voltage
8	6.2.22	15:37	PAPPANKALAN-III 220/66kV 160MVA Tx-I	6.2.22	16:33	Tripped off on LV , 86 & Over Flux
9	6.2.22	16:14	PAPPANKALAN-III 220/66kV 160MVA Tx-II	6.2.22	16:46	Tripped off on Over Voltage
10	6.2.22	23:50	GAZIPUR 220/66kV 160MVA Tx-I	7.2.22	7:20	Tripped off on Over Voltage
11	14.2.22	3:57	GAZIPUR 220/66kV 160MVA Tx-I	14.2.22	0:00	Tripped off on Over Flux
12	14.2.22	13:16	220KVBAWANA- ROHINI-2 CKT-I	14.2.22	13:37	Tripped off without Indication
13	15.2.22	19:07	ROHINI 220/66kV 100MVA Tx-II	16.2.22	1:09	Tripped off on auto tripped Relay
14	17.2.22	19:02	ROHINI 220/66kV 100MVA Tx-IV	18.2.22	22:17	Transformer tripped off on Differential protection, RYB Phase, REFHV, REF LV, 86A, 86B, OC, EF, Y Phase LA damage replace the LA
15	18.2.22	19:57	PAPPANKALAN-I 66/11kV, 20MVA Tx-I	19.2.22	11:18	Tripped off on 86,SPR
16	20.2.22	13:53	220kV SARITA VIHAR - BTPS CKT.- I	20.2.22	0:00	Tripped off on Z- YB Pahse 0.4Km If=25.9KA
17	21.2.22	15:08	GEETA COLONY 33kV SHAKAR PUR CKT	21.2.22	16:45	For Isolator alignment
18	22.2.22	9:10	OKHLA 220/33kV 100MVA Tx-III	22.2.22	17:00	Tripped off on ABC phase Tripp , 96E
19	22.2.22	15:05	220kV PRAGATI - SARITA VIHAR CKT - I	22.2.22	16:03	Tripped off on RYB,Z-2,86 ABC 14.656Km,Ta=1.7kA,Ib=1.89kA,Ic=9.1kA,In= 5.5kA
20	23.2.22	15:40	220kV GEETA COLONY- PATPARGANJ CKT -II	23.2.22	16:44	Tripped off on Phase BC, ABC,O/C,Z- I,3.262kM,A/R operated Ia=175.8A,Ib=8.939kA,Ic=8.779kA
21	26.2.22	16:40	BAWANA 400/220kV 315MVA ICT-III	26.2.22	18:25	For attending Hot Point bay no. 352
22	26.2.22	18:08	220kV GEETA COLONY- PATPARGANJ CKT-I	26.2.22	19:09	Tripping At Geeta Colony End :- BC Phase, Z-I, Distance 3.319 kM. At PPG end :- By Phase, 86, Z-I, Distance 1.07 kM
23	28.2.22	16:29	220kV GEETA COLONY- PATPARGANJ CKT-I	1.3.22	0:00	Tripped off relay at PPG end :- YB Phase, Z- I,86 At Geeta Colony End :- Z-2, distance 3.84 Km
24	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 FEBRUARY 2022

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