

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

NOVEMBER 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No	Features	NOV. 2021	NOV. 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
	TWEPL	--	25
	Total	2156	2181
2	Maximum Unrestricted Demand (MW)	3831	3941
	Date	26.11.21	08.11.22
	Time	10:50:29	18.43.42
3	Peak Demand met (MW)	3831	3941
	Date	26.11.21	08.11.22
	Time	10:50:29	18.43.42
4	Peak Availability (MW)	3687	3694
5	Shortage (-) / Surplus (+) in MW	(-) 144	(-) 247
6	Percentage Shortage (-) / Surplus (+)	(-) 3.76	(-) 6.27
7	Maximum Energy Consumed in a day (Mus)	65.986	74.247
8	Energy Consumed during the month	1819.037	2042.556
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	0.077	0.086
	TPDDL	0.014	0.0210
	BRPL	0.021	0.007
	BYPL	0.007	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.015	0.000
	Total	0.133	0.114
10	Grand Total in Mus	0.133	0.114



2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING NOVEMBER 2022

A) For the month of Nov. 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	0.120	-0.120	--	--
2.	GT	28.245	1.379	26.866	14.19	33.699
3.	PPCL	0.000	0.155	-0.155	-0.02	154.385
4.	Bawana	204.961	8.095	196.866	20.46	564.690
5.	Towmcl	14.337	1.879	12.458	--	--
6.	EDWPCL	2.530	0.771	1.759	--	--
7.	DMSWL	9.040	2.729	6.311	--	--
8.	TWEPL	7.682	0.878	6.804	--	--
	TOTAL	266.795	16.006	250.789	--	752.690

B) For the Year 2022-23 (Upto Nov. 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Nov 2022	Availability (%) for Nov 2022	PLF (%) For Nov 2022	Cumulative Generation in MUs upto Nov 2022 for the year 2022-23	Cumulative Availability in % upto Nov 2022 or the year 2022-23
RPH	135	-0.120	--	--	-0.976	--
GT	270	26.866	32.06	14.19	211.424	31.54
PPCL	330	-0.155	66.97	-0.02	746.153	93.00
Bawana	1372	196.866	79.32	20.46	1815.042	91.81
Towmcl	16	12.458	--	--	96.348	--
EDWPCL	10	1.759	--	--	10.145	--
DMSWL	24	6.311	--	--	87.232	--
TWEPL	25	6.804	--	--	6.804	--
TOTAL	2936	250.789	--	--	2972.578	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR NOVEMBER 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	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.
2	30	01.11.22	00.00	30.11.22	23.59	Unit out due to generator rotor problem.
3	30	--				
4	30	--				
5	30	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.
6	30					
STG-1	30	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.
STG-2	30	--				
STG-3	30	15.11.22	14.10	15.11.22	15.05	Unit tripped due to C&I Problem
		22.11.22	20.45	22.11.22	22.20	Unit tripped due to C&I Problem
		25.11.22	17.45	25.11.22	18.41	Unit tripped due to C&I Problem

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.
2	104	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.
STG	122	01.11.22	00.00	30.11.22	23.59	Unit under shutdown due to low demand.

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	05.11.22	12.00	26.11.22	16.00	GT will be under shutdown for HGPI .
2	216	--				
3	216	--				
4	216	09.11.22	19.00	09.11.22	21.00	To check the condition of Turbine Inlet Air Filters .
STG -1	254	05.11.22	12.00	26.11.22	16.00	DC of 1/2 STG taken out due to non-availability of respective GT
STG -2	254	09.11.22	19.00	09.11.22	21.00	DC of 1/2 STG taken out due to non-availability of respective GT#4

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	ME S	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		
Kahalgaoon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaoon-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	ME S	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	14.4
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.4
										6

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	ME S	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										
<u>NTPC STATIONS</u>										
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
<u>NHPC (HYDRO)</u>										
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		
Dhauri 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	ME S	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(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.
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 NOVEMBER 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	TWE PL	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	18.01.55	38	0	306	16	4	6	0	370	3354	3323	31	3724	0	3724
2	18.03.37	38	0	296	18	1	17	0	370	3419	3369	50	3789	0	3789
3	18.03.32	38	0	308	11	4	17	0	378	3406	3460	-54	3784	0	3784
4	11.02.47	38	0	278	14	0	17	11	358	3563	3490	73	3921	0	3921
5	18.04.18	38	0	304	14	1	18	0	375	3312	3293	19	3687	0	3687
6	11.58.08	37	0	277	19	6	15	0	354	3162	3093	69	3516	0	3516
7	10.06.34	38	0	283	19	5	18	10	373	3361	3247	114	3734	0	3734
8	18.43.42	38	0	282	19	0	18	12	370	3571	3324	247	3941	0	3941
9	17.53.21	40	0	306	17	5	18	10	396	3367	3332	35	3763	0	3763
10	18.00.50	39	0	290	19	5	18	9	380	3535	3367	168	3915	0	3915
11	18.01.26	39	0	273	12	0	17	17	358	3473	3352	121	3831	0	3831
12	11.00.19	39	0	271	13	0	17	12	352	3148	3083	65	3500	0	3500
13	11.27.18	39	0	273	13	0	17	11	353	3059	3072	-13	3412	0	3412
14	10.30.27	40	0	271	19	0	17	5	352	3252	3308	-56	3604	0	3604
15	10.01.07	39	0	273	18	0	19	10	359	3230	3280	-50	3589	0	3589
16	10.31.19	39	0	271	20	2	17	20	369	3271	3372	-101	3640	0	3640
17	10.00.31	39	0	272	19	4	18	13	365	3219	3070	149	3584	0	3584
18	10.06.04	39	0	274	17	0	18	11	359	3482	3322	160	3841	0	3841
19	10.22.28	39	0	273	19	0	0	11	342	3200	3096	104	3542	0	3542
20	11.01.21	39	0	270	17	4	17	10	357	3221	3165	56	3578	0	3578
21	10.19.56	39	0	270	19	-1	5	12	344	3271	3281	-10	3615	0	3615
22	10.00.54	39	-1	273	13	0	9	11	344	3286	3246	40	3630	0	3630
23	09.56.06	39	-1	273	19	2	-1	11	342	3302	3368	-66	3644	0	3644
24	10.23.44	39	0	271	18	2	0	10	340	3438	3425	13	3778	0	3778
25	10.26.45	39	0	268	13	5	0	4	329	3417	3206	211	3746	0	3746
26	10.26.45	39	0	268	13	5	0	4	329	3417	3206	211	3746	0	3746
27	10.41.52	39	0	346	19	5	0	-1	408	3275	3316	-41	3683	0	3683
28	10.01.20	39	0	271	20	6	0	13	349	3343	3389	-46	3692	0	3692
29	10.46.49	39	0	272	18	4	0	12	345	3325	3386	-61	3670	0	3670
30	10.25.23	39	0	270	13	4	0	11	337	3475	3541	-66	3812	0	3812

6

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING NOVEMBER 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	TWEPL	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	18.01.55	38	0	306	16	4	6	0	370	3354	3323	31	3724	0	3724
2	18.03.37	38	0	296	18	1	17	0	370	3419	3369	50	3789	0	3789
3	18.03.32	38	0	308	11	4	17	0	378	3406	3460	-54	3784	0	3784
4	11.02.47	38	0	278	14	0	17	11	358	3563	3490	73	3921	0	3921
5	18.04.18	38	0	304	14	1	18	0	375	3312	3293	19	3687	0	3687
6	11.58.08	37	0	277	19	6	15	0	354	3162	3093	69	3516	0	3516
7	10.06.34	38	0	283	19	5	18	10	373	3361	3247	114	3734	0	3734
8	18.43.42	38	0	282	19	0	18	12	370	3571	3324	247	3941	0	3941
9	17.53.21	40	0	306	17	5	18	10	396	3367	3332	35	3763	0	3763
10	18.00.50	39	0	290	19	5	18	9	380	3535	3367	168	3915	0	3915
11	18.01.26	39	0	273	12	0	17	17	358	3473	3352	121	3831	0	3831
12	11.00.19	39	0	271	13	0	17	12	352	3148	3083	65	3500	0	3500
13	11.27.18	39	0	273	13	0	17	11	353	3059	3072	-13	3412	0	3412
14	10.30.27	40	0	271	19	0	17	5	352	3252	3308	-56	3604	0	3604
15	10.01.07	39	0	273	18	0	19	10	359	3230	3280	-50	3589	0	3589
16	10.31.19	39	0	271	20	2	17	20	369	3271	3372	-101	3640	0	3640
17	10.00.31	39	0	272	19	4	18	13	365	3219	3070	149	3584	0	3584
18	10.06.04	39	0	274	17	0	18	11	359	3482	3322	160	3841	0	3841
19	10.22.28	39	0	273	19	0	0	11	342	3200	3096	104	3542	0	3542
20	11.01.21	39	0	270	17	4	17	10	357	3221	3165	56	3578	0	3578
21	10.19.56	39	0	270	19	-1	5	12	344	3271	3281	-10	3615	0	3615
22	10.00.54	39	-1	273	13	0	9	11	344	3286	3246	40	3630	0	3630
23	09.56.06	39	-1	273	19	2	-1	11	342	3302	3368	-66	3644	0	3644
24	10.23.44	39	0	271	18	2	0	10	340	3438	3425	13	3778	0	3778
25	10.26.45	39	0	268	13	5	0	4	329	3417	3206	211	3746	0	3746
26	10.26.45	39	0	268	13	5	0	4	329	3417	3206	211	3746	0	3746
27	10.41.52	39	0	346	19	5	0	-1	408	3275	3316	-41	3683	0	3683
28	10.01.20	39	0	271	20	6	0	13	349	3343	3389	-46	3692	0	3692
29	10.46.49	39	0	272	18	4	0	12	345	3325	3386	-61	3670	0	3670
30	10.25.23	39	0	270	13	4	0	11	337	3475	3541	-66	3812	0	3812

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	60.456	26.757
Pragati-I	240.312	-0.259
Pragati-III (Bawana)	761.600	196.907
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	20.855	20.855
TOTAL DELHI GEN.	1083.223	244.260

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	98.078	91.110
RIHAND STPS	41.337	38.586
DADRI TPS	411.531	0.000
UNCHAHAR-I TPS	16.859	0.000
UNCHAHAR-II TPS	17.255	12.480
ANTA GPP-GF	33.171	0.000
ANTA GPP-LF	0.000	0.009
ANTA GPP-RF	0.000	0.002
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	53.580	0.000
AURAIYA GPP-LF	0.000	0.000
AURAIYA GPP-RF	0.000	0.064
AURIYA CRF	0.000	0.000
DADRI GPP-GF	70.966	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.000
DADRI CRF	0.000	0.000
BAIRASIUL HEP	2.971	2.971
SALAL HEP	12.873	12.873
TANAKPUR HEP	5.295	5.295
CHAMERA HEP	4.392	4.392
URI HEP	12.440	12.440
NATHPA JHAKRI HEP	29.673	29.673
CHAMERA HEP-II	6.642	6.642
RIHAND-II STPS	90.390	83.619
DHAULIGANGA HEP	8.497	8.497
TEHRI HEP	12.361	12.361

NAME OF STATION	AVAILABILITY	SCHEDULE
UNCHAHAR-III TPS	20.631	14.765
DULHASTI HEP	13.861	13.861
DADRI II	269.261	214.930
SEWA-II	1.986	1.986
jhajjar	382.540	11.907
NAPP	30.672	30.672
RAPP C	38.099	38.099
RAPPB_4 C	0.000	0.000
KOTESWAR	6.220	6.220
SASAN	244.424	236.539
CHAMERA III	4.980	4.980
RIHAND3	92.364	85.418
KAHALGAON1	34.808	30.636
KAHALGAON2	99.804	85.473
TALA	3.666	3.666
FARAKA	9.095	9.095
URI 2 HEP	10.847	10.847
Parvati3	2.707	2.707
Koldam	0.000	0.000
SINGRAULI SHEP	0.442	0.442
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	12.452	0.000
Nabinagar STPS(BRBCL)	0.098	9.841
Meja TPS	0.000	0.000
Tanda-II TPS	52.306	52.306
ISGS	2207.269	1133.100
LTA	752.154	752.154
TOTAL (ISGS+LTA)	2959.423	1885.254
TOTAL AVAILABILITY	4042.646	2129.514
BILATERAL PURCHASE	281.978	281.978

752.154	752.154
2959.42	1885.25
3	4
4042.64	2129.51
6	4
281.978	281.978

8. SHEDDING DETAILS DURING THE MONTH OF NOVEMBER 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 drawl / 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
01.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.11.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.11.22	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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ALL FIGURES IN MUS

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
01.11.22	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
02.11.22	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
03.11.22	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
04.11.22	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
05.11.22	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
06.11.22	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
07.11.22	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
08.11.22	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
09.11.22	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
10.11.22	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
11.11.22	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
12.11.22	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
13.11.22	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
14.11.22	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
15.11.22	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
16.11.22	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
17.11.22	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
18.11.22	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
19.11.22	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
20.11.22	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
21.11.22	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
22.11.22	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
23.11.22	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
24.11.22	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
25.11.22	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
26.11.22	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
27.11.22	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
28.11.22	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
29.11.22	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

30.11.22	0.000	0.000	0.000	0.000	0.00 0	0.00 0	0.000	0.00 0	0.00 0	0.000	0.000	0.00 0	0.000
TOTAL	0.000	0.000	0.000	0.000	0.00 0	0.00 0	0.000	0.00 0	0.00 0	0.000	0.000	0.00 0	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
01.11.22	0.000	0.000	0.00 1	0.000	0.000	0.000	0.000	0.000	0.000
02.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
03.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
04.11.22	0.003	0.001	0.00 7	0.000	0.000	0.000	0.002	0.000	0.000
05.11.22	0.000	0.002	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
06.11.22	0.000	0.000	0.00 2	0.000	0.000	0.000	0.000	0.000	0.000
07.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
08.11.22	0.000	0.002	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
09.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
10.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
11.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
12.11.22	0.000	0.000	0.02 7	0.000	0.000	0.000	0.000	0.000	0.000
13.11.22	0.000	0.006	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
14.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
15.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.001	0.000	0.000
16.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.006	0.000
17.11.22	0.000	0.006	0.01 3	0.000	0.000	0.000	0.000	0.000	0.000
18.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
19.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
20.11.22	0.000	0.000	0.00 1	0.000	0.000	0.000	0.000	0.000	0.000
21.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
22.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
23.11.22	0.000	0.002	0.00 0	0.000	0.000	0.000	0.003	0.000	0.000
24.11.22	0.003	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
25.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.004	0.000

26.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.010	0.000
27.11.22	0.000	0.003	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
28.11.22	0.000	0.000	0.00 0	0.000	0.000	0.000	0.000	0.000	0.000
29.11.22	0.000	0.000	0.00 2	0.000	0.000	0.000	0.000	0.001	0.000
30.11.22	0.000	0.000	0.00 4	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.007	0.023	0.05 6	0.000	0.000	0.000	0.007	0.021	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
01.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0010	0.0010
02.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
03.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
04.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0130	0.0130
05.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0017	0.0017
06.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0020	0.0020
07.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0006	0.0006
08.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0025	0.0025
09.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
10.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0003	0.0003
11.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
12.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0272	0.0272
13.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0064	0.0064
14.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0005	0.0005
15.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0015	0.0015
16.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0058	0.0058
17.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0190	0.0190
18.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
19.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
20.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0007	0.0007
21.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
22.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0003	0.0003
23.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0051	0.0051
24.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0033	0.0033
25.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0036	0.0036
26.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0096	0.0096
27.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0028	0.0028
28.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000

29.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0026	0.0026
30.11.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0044	0.0044
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1140	0.1140

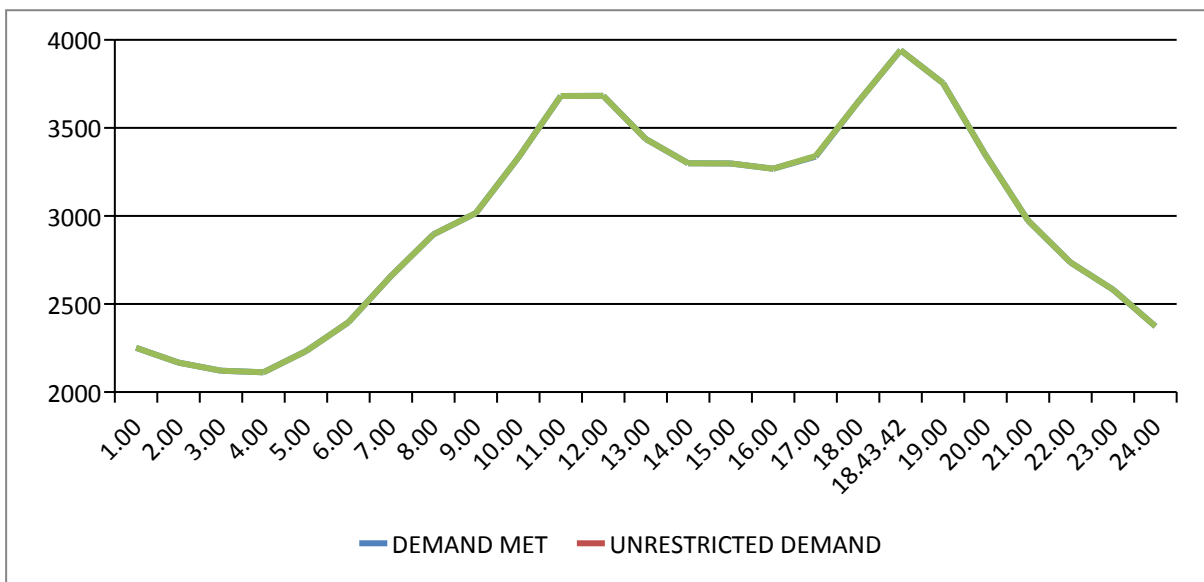
DATE	(NET CONS.)	MAXL DEMAND MET DURING THE DAY	TIME OF OCCURRENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-RESTRICTED DEMAND	MAXIMUM UN-RESTRICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAND AT THAT TIME	SHEDDING AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.11.22	70.710	3724	18:01:55	0	3724	3724	18:01:55	3724	0
02.11.22	72.129	3789	18:03:37	0	3789	3789	18:03:37	3789	0
03.11.22	72.822	3784	18:03:32	0	3784	3784	18:03:32	3784	0
04.11.22	74.247	3921	11:02:47	0	3921	3921	11:02:47	3921	0
05.11.22	72.712	3687	18:04:18	0	3687	3687	18:04:18	3687	0
06.11.22	67.149	3516	11:58:08	0	3516	3516	11:58:08	3516	0
07.11.22	72.722	3734	10:06:34	0	3734	3734	10:06:34	3734	0
08.11.22	72.455	3941	18:43:42	0	3941	3941	18:43:42	3941	0
09.11.22	73.079	3763	17:53:21	0	3763	3763	17:53:21	3763	0
10.11.22	73.375	3915	18:00:50	0	3915	3915	18:00:50	3915	0
11.11.22	71.607	3831	18:01:26	0	3831	3831	18:01:26	3831	0
12.11.22	66.430	3501	11:00:19	0	3501	3501	11:00:19	3501	0
13.11.22	62.686	3412	11:27:18	0	3412	3412	11:27:18	3412	0
14.11.22	66.852	3604	10:30:27	0	3604	3604	10:30:27	3604	0
15.11.22	68.484	3589	10:01:07	0	3589	3589	10:01:07	3589	0
16.11.22	68.992	3640	10:31:19	0	3640	3640	10:31:19	3640	0
17.11.22	66.928	3584	10:11:31	0	3584	3584	10:11:31	3584	0
18.11.22	68.793	3841	10:06:04	0	3841	3841	10:06:04	3841	0
19.11.22	64.174	3542	10:22:28	0	3542	3542	10:22:28	3542	0
20.11.22	61.289	3578	11:01:21	0	3578	3578	11:01:21	3578	0
21.11.22	64.956	3615	10:19:56	0	3615	3615	10:19:56	3615	0
22.11.22	66.134	3630	10:00:54	0	3630	3630	10:00:54	3630	0
23.11.22	65.723	3644	9:56:06	0	3644	3644	9:56:06	3644	0
24.11.22	65.680	3727	11:08:00	5	3732	3732	11:08:00	3727	5

			3				3		
25.11.22	67.522	3778	10:23:4 4	0	3778	3778	10:23:4 4	3778	0
26.11.22	64.664	3746	10:26:4 5	0	3746	3746	10:26:4 5	3746	0
27.11.22	61.731	3683	10:41:5 2	0	3683	3683	10:41:5 2	3683	0
28.11.22	64.975	3692	10:01:2 0	0	3692	3692	10:01:2 0	3692	0
29.11.22	66.608	3670	10:46:4 9	0	3670	3670	10:46:4 9	3670	0
30.11.22	66.928	3812	10:25:2 3	0	3812	3812	10:25:2 3	3812	0
TOTAL	2042.55 6	3941	18.43.42	0	3941		18.43.42		0

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING NOVEMBER 2022 ON 08.11.2022 - 3941MW AT 18.43.42HRS.**

All figures in MW

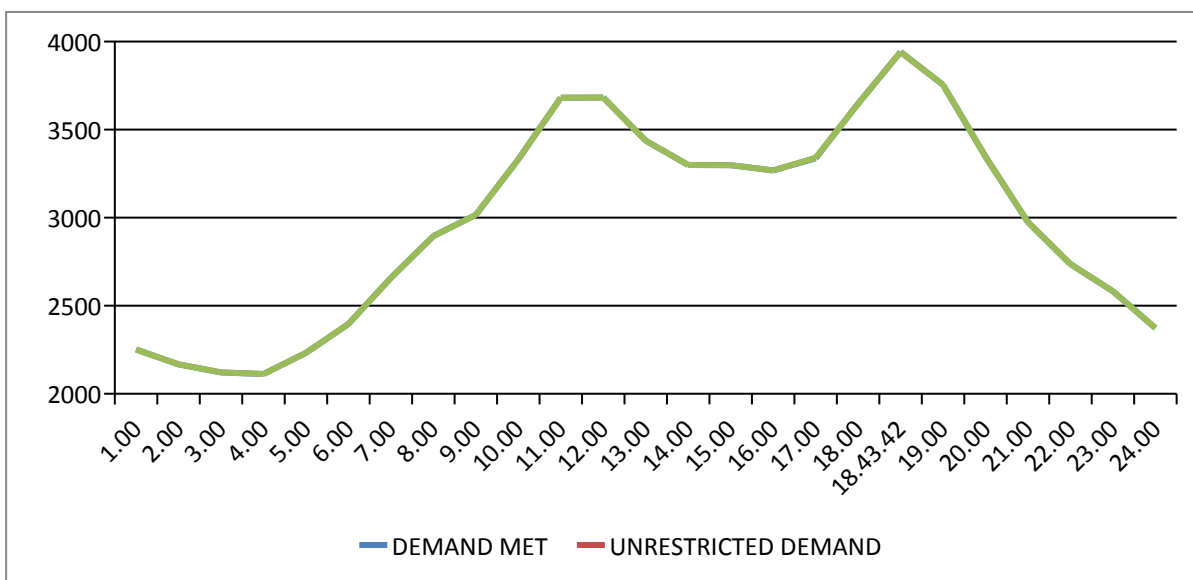
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2251	0	2251
2.00	2167	0	2167
3.00	2121	0	2121
4.00	2112	0	2112
5.00	2232	0	2232
6.00	2396	0	2396
7.00	2658	0	2658
8.00	2895	0	2895
9.00	3016	0	3016
10.00	3331	0	3331
11.00	3681	0	3681
12.00	3682	0	3682
13.00	3437	0	3437
14.00	3299	0	3299
15.00	3298	0	3298
16.00	3268	0	3268
17.00	3337	3.3	3340.3
18.00	3647	0	3647
18.43.42	3941	0	3941
19.00	3754	0	3754
20.00	3346	0	3346
21.00	2974	0	2974
22.00	2736	0	2736
23.00	2582	0	2582
24.00	2373	0	2373
Total (IN MUS)	72.455	0.002	72.457



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING NOVEMBER 2022 ON 08.11.2022 - 3941MW AT 18.43.42HRS.

All figures in MW

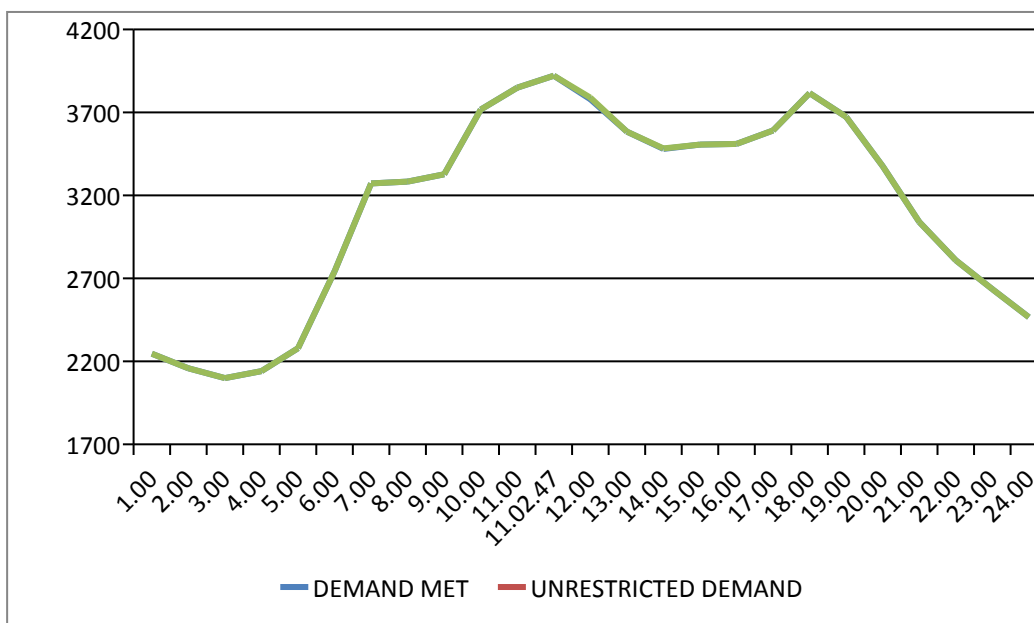
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2251	0	2251
2.00	2167	0	2167
3.00	2121	0	2121
4.00	2112	0	2112
5.00	2232	0	2232
6.00	2396	0	2396
7.00	2658	0	2658
8.00	2895	0	2895
9.00	3016	0	3016
10.00	3331	0	3331
11.00	3681	0	3681
12.00	3682	0	3682
13.00	3437	0	3437
14.00	3299	0	3299
15.00	3298	0	3298
16.00	3268	0	3268
17.00	3337	3.3	3340.3
18.00	3647	0	3647
18.43.42	3941	0	3941
19.00	3754	0	3754
20.00	3346	0	3346
21.00	2974	0	2974
22.00	2736	0	2736
23.00	2582	0	2582
24.00	2373	0	2373
Total (IN MUS)	72.455	0.002	72.457



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING NOVEMBER 2022 – 04.11.2022 – 74.247Mus

All figures in MW

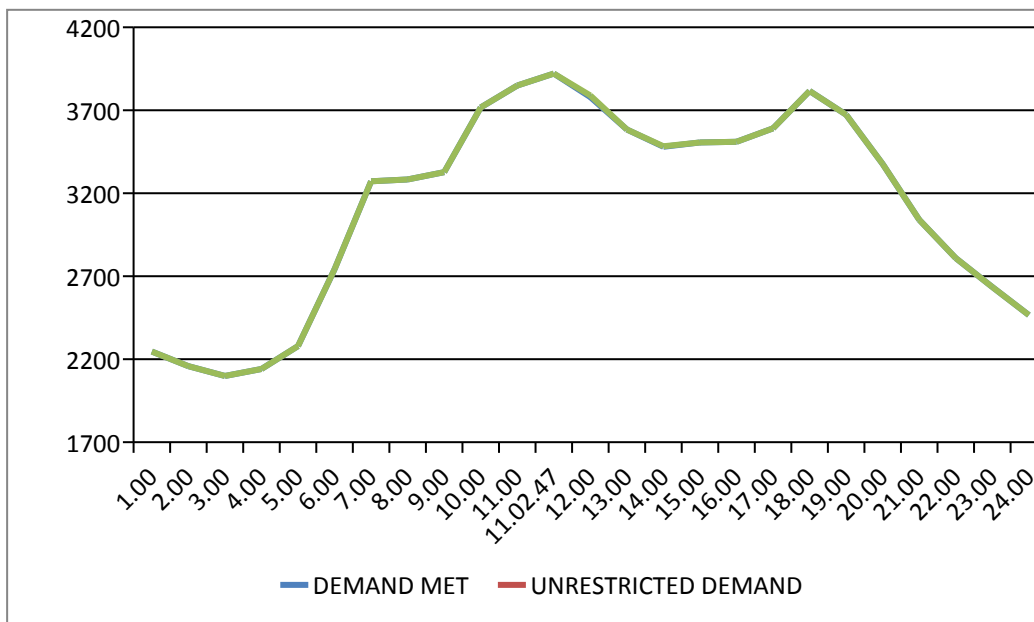
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2246	0	2246
2.00	2158	0	2158
3.00	2099	0	2099
4.00	2141	0	2141
5.00	2279	0	2279
6.00	2742	0	2742
7.00	3272	0	3272
8.00	3283	0	3283
9.00	3327	0	3327
10.00	3717	0	3717
11.00	3849	0	3849
11.02.47	3921	0	3921
12.00	3779	10	3789
13.00	3584	0	3584
14.00	3480	3	3483
15.00	3506	0	3506
16.00	3510	0	3510
17.00	3591	0	3591
18.00	3816	0	3816
19.00	3673	0	3673
20.00	3376	0	3376
21.00	3040	0	3040
22.00	2809	0	2809
23.00	2635	0	2635
24.00	2466	0	2466
Total (IN MUS)	74.247	0.013	74.260



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING NOVEMBER 2022 - ON 04.11.2022- 74.260MUs

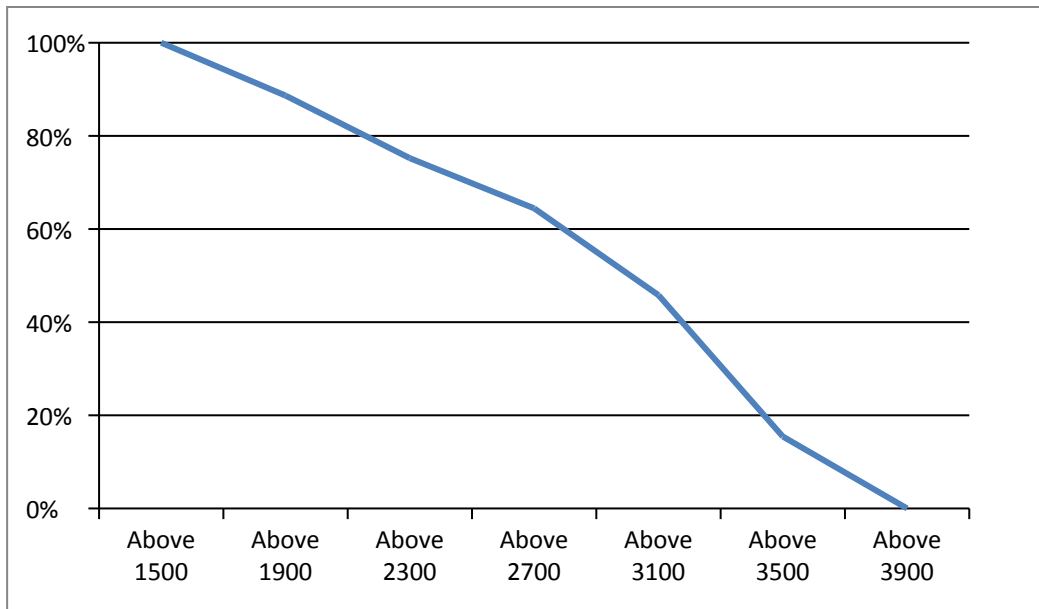
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2246	0	2246
2.00	2158	0	2158
3.00	2099	0	2099
4.00	2141	0	2141
5.00	2279	0	2279
6.00	2742	0	2742
7.00	3272	0	3272
8.00	3283	0	3283
9.00	3327	0	3327
10.00	3717	0	3717
11.00	3849	0	3849
11.02.47	3921	0	3921
12.00	3779	10	3789
13.00	3584	0	3584
14.00	3480	3	3483
15.00	3506	0	3506
16.00	3510	0	3510
17.00	3591	0	3591
18.00	3816	0	3816
19.00	3673	0	3673
20.00	3376	0	3376
21.00	3040	0	3040
22.00	2809	0	2809
23.00	2635	0	2635
24.00	2466	0	2466
Total (IN MUS)	74.247	0.013	74.260



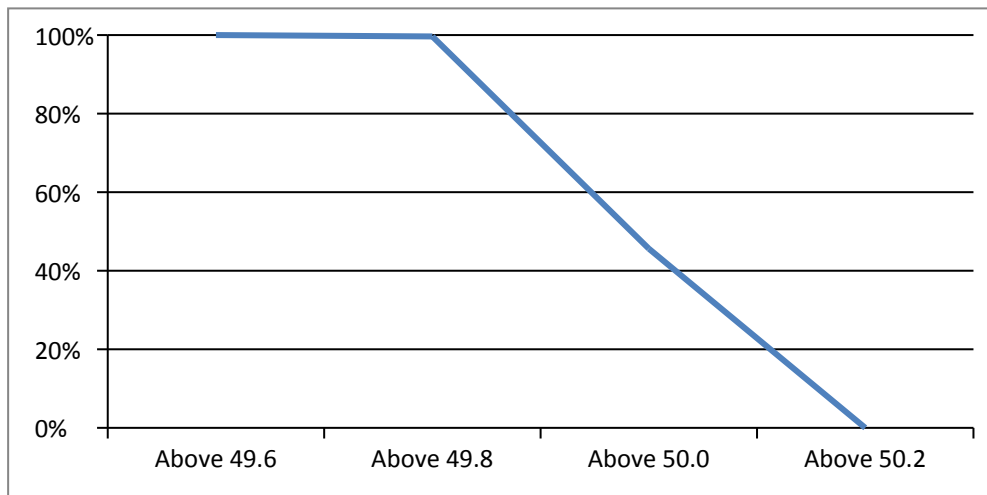
13 LOAD DURATION CURVE FOR NOVEMBER 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1500	100%
Above 1900	88.65%
Above 2300	75.21%
Above 2700	64.44%
Above 3100	45.80%
Above 3500	15.45%
Above 3900	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF NOVEMBER 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	99.65%
Above 50.0	45.62%
Above 50.2	0.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.11.22	230.84	219.46	238.4	227.93
02.11.22	232.27	218.56	239.35	215.49
03.11.22	231.87	219.35	238.55	228.05
04.11.22	230.33	220.25	237.24	227
05.11.22	230.93	219.13	237.26	227.39
06.11.22	230.93	222.06	239.27	227.24
07.11.22	231.82	218.15	237.99	223.65
08.11.22	230.13	215.21	238.56	220.33
09.11.22	232.14	220.3	238.91	225.03
10.11.22	233.8	220.33	240.9	223.3
11.11.22	233.23	221.51	240.02	227.54
12.11.22	230.81	221.41	237.26	227.78
13.11.22	231.75	219.85	236.73	225.17
14.11.22	233.71	220.2	241.76	225.69
15.11.22	232.66	218.67	237.2	222.76
16.11.22	232.39	219.2	237.72	223.32
17.11.22	231	219.25	236.33	226.3
18.11.22	233.22	218.6	237.81	225.15
19.11.22	234.04	219.75	236.71	220.29
20.11.22	235.01	221.89	234.98	222.35
21.11.22	233.11	218.34	236.01	224.37
22.11.22	232.31	218.05	239.22	224.78
23.11.22	234.1	217.97	240.17	224.29
24.11.22	232.15	216.07	234.42	219.26
25.11.22	233.45	218.86	235.4	222.24
26.11.22	233.84	219.94	236.85	219.17
27.11.22	233.61	221.77	237.24	225.65
28.11.22	234.88	219.38	237.6	222.97
29.11.22	233.76	217.46	236.48	223.69
30.11.22	231.67	218.52	238.34	223.81

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.11.22	422.58	20:38:43	401.37	6:40:37	412.43
02.11.22	422.23	21:09:14	396.09	6:46:39	412.48
03.11.22	420.87	20:55:09	399.63	6:46:58	413.19
04.11.22	420.5	20:09:53	403.39	9:42:25	412.91
05.11.22	420.46	4:02:12	401.46	10:48:51	412.82
06.11.22	423.02	20:14:50	404.04	9:06:01	413.77
07.11.22	421.88	4:02:11	397.48	9:47:43	406.38
08.11.22	421.51	20:12:45	393.49	11:51:35	406.54
09.11.22	421.91	4:01:43	403.45	10:17:26	413.92
10.11.22	427.35	4:02:50	402.92	9:38:09	415.56
11.11.22	424.82	2:58:06	406.42	11:40:44	415.57
12.11.22	421.96	19:58:48	404.16	11:25:48	414.54
13.11.22	424.07	4:03:21	402.22	9:36:17	416.6
14.11.22	428.74	4:03:14	401.38	10:22:58	415.11
15.11.22	425.55	20:12:07	399.24	10:46:19	413.3
16.11.22	424.75	20:09:32	399.48	10:11:18	412.88
17.11.22	421.06	13:06:34	402.59	6:45:15	414.05
18.11.22	423.62	20:15:05	404.72	12:12:53	415.79
19.11.22	425.2	4:00:59	402.44	12:19:04	414.65
20.11.22	427.45	4:01:42	405.12	9:18:19	416.26
21.11.22	423.8	19:57:05	400.28	9:21:23	413.96
22.11.22	427.42	19:58:43	0	10:51:51	359.92
23.11.22	429.45	4:02:57	402.3	10:21:25	416.68
24.11.22	426.76	19:59:09	399.31	9:44:37	414.65
25.11.22	426.95	4:02:21	403.8	9:41:58	416.52
26.11.22	428.7	4:01:45	404.21	9:14:51	418.13
27.11.22	428.49	15:33:58	407.72	9:05:29	419.78
28.11.22	430.3	4:03:07	0	12:42:44	314.16
29.11.22	427.06	4:01:36	400.21	10:22:15	415.63
30.11.22	423.09	4:03:04	400.87	11:47:59	413.87

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.11.22	419.13	20:37:17	403.2	6:40:38	411.56
02.11.22	421.75	21:09:02	399.56	6:46:42	411.32
03.11.22	421.89	3:59:19	402.33	10:27:32	412.21
04.11.22	418.7	20:54:00	402.03	9:46:33	411.54
05.11.22	419.48	16:04:42	402.41	10:47:40	412.5
06.11.22	421.08	20:14:45	404.6	9:24:24	413.6
07.11.22	421.28	4:02:16	399.91	9:47:57	406.8
08.11.22	420.52	20:27:40	393.82	11:51:39	406.22
09.11.22	420.71	21:39:10	400.43	10:39:52	411.91
10.11.22	424.46	4:02:43	399.87	10:11:25	413.54
11.11.22	424.19	2:56:43	405.67	11:40:39	414.65
12.11.22	421.68	13:27:39	407.26	9:39:16	414.77
13.11.22	422.9	4:01:38	404.33	9:36:28	416.2
14.11.22	426.83	4:02:36	405.13	10:11:54	415.36
15.11.22	423.35	20:19:56	402.07	10:48:28	414.03
16.11.22	422.35	20:10:24	400.38	10:11:56	413.1
17.11.22	421.69	22:00:04	401.4	14:40:51	414.13
18.11.22	424.1	4:02:22	403.68	11:49:58	413.88
19.11.22	425.14	4:15:50	404.36	12:19:04	414.5
20.11.22	425.76	4:01:46	406.47	10:53:08	416.33
21.11.22	424.34	4:02:45	400.48	12:10:12	415.55
22.11.22	424.15	4:03:37	403.69	9:42:14	415.7
23.11.22	425.79	4:02:53	400.63	10:37:53	414.48
24.11.22	423	4:00:36	395.8	10:55:41	412.03
25.11.22	423.5	4:02:24	400.26	9:52:02	412.96
26.11.22	423.29	4:01:45	399.42	9:06:21	414.08
27.11.22	424.76	4:01:42	405.48	9:05:33	416.37
28.11.22	426.01	4:03:43	0	12:39:20	336.87
29.11.22	425.61	4:01:33	399.03	10:22:10	413.91
30.11.22	420.66	1:00:28	399.79	11:47:53	412.81

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

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02.11.22	8:18	220kV PRAGATI - SARITA VIHAR CKT - I	02.11.22	10:52	AT PRAGATI : DIST PROT, ZONE-II, DIST 11.70KM. AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 2.712KM.
2	03.11.22	23:54	220kV PRAGATI - SARITA VIHAR CKT - I	04.11.22	13:13	AT SARITA VIHAR : DIST PROT, ZONE-I, B PHASE RYB TRIPPED,
3	04.11.22	9:12	OKHLA 220/33kV 100MVA Tx-IV	04.11.22	16:55	86
4	04.11.22	9:13	LODHI RD 220/33kV 100MVA Tx-II	04.11.22	10:10	MONKEY ELECTROCUTED.
5	04.11.22	9:13	LODHI RD 33/11kV, 16MVA Tx-IV	04.11.22	15:00	MONKEY ELECTROCUTED.
6	04.11.22	12:07	220kV BAWANA-DSIIDC BAWANA CKT-I	04.11.22	12:13	AT DSIDC BAWANA : DIST PROT.
7	04.11.22	13:22	GAZIPUR 66/11kV, 20MVA Tx-I	04.11.22	16:55	O/C.
8	06.11.22	16:42	220kV OKHLA - BTPS CKT.- I	09.11.22	0:01	AT BTPS : DIST PROT, ZONE-I.
9	08.11.22	16:55	OKHLA 66/11kV, 20MVA Tx-I	09.11.22	13:25	DIFFERENTIAL.
10	09.11.22	10:30	OKHLA 66/11kV, 20MVA Tx-I	09.11.22	13:25	DIFFERENTIAL.
11	12.11.22	3:03	BAWANA 400/220kV 315MVA ICT-II	12.11.22	7:02	AT BAWANA :Main CB of ICT -II : 30F, O/C, R Phase, 67N, 86A&B. Tie CB of ICT -II : 295CC, 30F, 186A&B. 220kV I/C-II : 30C
12	12.11.22	3:03	220KVBAWANA- ROHINI-2 CKT-II	13.11.22	18:35	186A&B
13	12.11.22	3:03	220KVBAWANA- ROHINI-2 CKT-I	13.11.22	18:35	At Bawana : E/F, 67N
14	13.11.22	12:52	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	13.11.22	17:50	O/C.
15	15.11.22	1:58	220kV BAMNAULI-PAPPANKALAN-I CKT-II	15.11.22	2:51	AT BAMNAULI : DIST PROT, ZONE-I. 86.
16	15.11.22	8:07	PARKSTREET 220/33kV 100MVA Tx-II	15.11.22	8:38	O/C
17	15.11.22	8:35	LODHI RD 220/33kV 100MVA TR. -III	17.12.22	16:30	DIFFERENTIAL, RYB PHASE.
18	17.11.22	14:41	MEHRAULI 220/66kV 100MVA Tx-III	17.11.22	15:05	86
19	17.11.22	14:41	MEHRAULI 220/66kV 100MVA Tx-I	17.11.22	14:50	86
20	17.11.22	14:41	MEHRAULI 220/66kV 100MVA Tx-II	17.11.22	14:50	86
21	18.11.22	8:50	NARELA 66/11kV, 20MVA Tx-I	18.11.22	8:54	86
22	18.11.22	13:57	220kV BAMNAULI - DIAL CKT-II	18.11.22	12:40	AT DIAL : DIST PROT, ZONE-II, DIST 11.9KM.
23	20.11.22	8:35	KASHMIRI GATE 33/11kV, 20MVA Tx	20.11.22	13:04	RY PHASE, 86.
24	22.11.22	18:43	PARKSTREET 220/33kV 100MVA Tx-II	22.11.22	19:25	O/C, 86, R PHASE
25	23.11.22	17:56	OKHLA 220/33kV 100MVA Tx-IV	23.11.22	18:40	O/C
26	23.11.22	17:56	OKHLA 220/33kV 100MVA Tx-III	23.11.22	18:40	O/C
27	24.11.22	10:55	PARKSTREET 220/33kV 100MVA Tx-II	24.11.22	14:24	TRIPPED DUE TO MONKEY ELECTROCUTE
28	24.11.22	10:55	220kV PRAGATI - PARK STREET CKT-I	24.11.22	11:25	AT PARK STREET : TRIPPED ON MONKEY ELECTROCUTE
29	27.11.22	11:09	OKHLA 220/66 160MVA Trx	27.11.22	11:30	DIFFERENTIAL.
30	30.11.22	14:18	ROHINI-II 220/66kV 160MVA Tx-I	30.11.22	20:47	86
31	30.11.22	14:18	ROHINI-II 220/66kV 160MVA Tx-I	30.11.22	20:47	86

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

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