

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

DECEMBER 2021

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No.	Features	DEC. 2020	DEC. 2021
1	Effective Generation Capacity within Delhi in MW		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Bawana CCGT	1372	1371
	TOWMCL (Waste to 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)	5261	4685
	Date	31.12.20	31.12.21
	Time	10:45:48	10.32.10
3	Peak Demand met (MW)	5245	4685
	Date	31.12.20	31.12.21
	Time	10:45:48	10.32.10
4	Peak Availability (MW)	5127	4524
5	Shortage (-) / Surplus (+) in MW	(-) 118	(-) 161
6	Percentage Shortage (-) / Surplus (+)	(-) 3.43	(-) 3.44
7	Maximum Energy Consume in a day (Mus)	85.866	74.835
8	Energy Consumed during the month	2151.070	2090.057
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.00	0.00
ii)	Manual Load shedding from DTL S/Stns.	0.00	0.00
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	TPDDL	0.00	0.00
	BRPL	0.00	0.00
	BYPL	0.00	0.00
	NDMC	0.00	0.00
	MES	0.00	0.00
iv)	Due to transmission Constraints in Central Sector	0.00	0.00
	Total due to Grid Restriction	0.000	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.128	0.147
	TPDDL	0.046	0.001
	BRPL	0.248	0.027
	BYPL	0.016	0.014
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.002	0.208
	Total	0.440	0.396
10	Grand Total in Mus	0.440	0.396

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2021

A) For the month of Dec 2021

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Plant Availability factor for the month (%)	Backing Down
1.	RPH	0.000	0.124	-0.124	--	--
2.	GT	30.344	1.423	28.921	31.25	31.789
3.	PPCL	119.218	2.449	116.769	104.77	131.950
4.	Bawana	216.608	8.334	208.274	93.55	720.898
5.	Towmcl	14.739	1.926	12.813	--	--
6.	EDWPCL	0.000	0.031	-0.031	--	--
7.	DMSWL	12.874	1.931	10.943	--	--
	TOTAL	393.783	16.218	377.565		

B) For the Year 2021-22 (Upto December 2021)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec 2021	Availability (%) for Dec 2021	PLF (%) For Dec 2021	Cumulative Generation in MUs upto Dec 2021 for the year 2021-22	Cumulative Availability in % upto Dec 2021 for the year 2021-22
RPH	135	-0.124	--	--	-1.100	--
GT	270	28.921	31.25	14.94	129.201	15.06
PPCL	330	116.769	104.77	49.37	1186.339	91.65
Bawana	1372	208.274	93.55	20.84	2443.687	90.04
Towmcl	16	12.813	--	--	107.514	--
EDWPCL	10	-0.031	--	--	4.359	--
DMSWL	24	10.943	--	--	103.497	--
TOTAL	2936	377.565			3973.497	

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI W.E.F. APRIL 2021

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	07.12.21	15.33	17.12.21	13.10	Low demand
2	30	01.12.21	00.00	31.12.21	23:59	Low demand
3	30	Nil				
4	30	Nil				
5	30	01.12.21	00.00	31.12.21	23:59	Low demand
6	30	01.12.21	00.00	07.12.21	08.57	Low demand
		14.12.21	23.19	15.12.21	00.08	Unit tripped on alarm electrical trouble normal shut down and Gen excitation tripp
		15.12.21	15.50	15.12.21	17.40	Unit tripped on alarm electrical trouble normal shut down and Gen excitation tripp
		17.12.21	16.00	31.12.21	23:59	Low demand
STG-1	30	07.12.21	15.33	17.12.21	15.45	Low demand
STG-2	30	Nil				
STG-3	30	01.12.21	00.00	07.12.21	08.57	Low demand
		13.12.21	08.38	13.12.21	12.22	Unit tripped high exhust steam pressure due all parameters in BCD stuck up
		14.12.21	23.19	15.12.19	04.29	Unit tripped due to GT#6 tripping
		15.12.21	15.50	15.12.21	18.45	Unit tripped due to GT#6 tripping
		17.12.21	16.00	31.12.21	23.59	Low demand

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.12.21	00.00	26.12.21	07.22	Low demand
		26.12.21	20.42	26.12.21	22.19	Unit tripped due to grid disturbance
2	104	26.12.21	01.06	26.12.21	07.22	Unit tripped on internal fault
		26.12.21	07.22	31.12.21	23.59	Low demand
STG	122	26.12.21	01.06	26.12.21	10.42	Unit tripped on internal fault
		26.12.21	20.42	27.12.21	01.52	Unit tripped due to grid disturbance

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	NIL				
2	216	26.12.21	20.42	26.12.21	23.42	STG#2 tripped on delayed clearance fault caused our generator transformer to trip on standby eartyh fault after a time delay of 3 secoonds.
3	216	NIL				
4	216	18.12.21	02.46	18.12.21	12.46	GT#4 unloaded on high filter D.P. protection due to bad weather
STG -1	254	NIL				
STG -2	254	18.12.21	02.50	18.12.21	15.04	1/2 STG taken out due to non-availability of respective GT.

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

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING DECEMBER 2021**

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	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	10:02:18	35	162	303	2	0	18	520	3212	3115	97	3732	0	3732
2	10:48:28	34	160	302	19	0	16	531	3159	3173	-14	3690	0	3690
3	10:37:18	34	162	304	18	0	17	535	3448	3397	51	3983	0	3983
4	10:28:03	52	163	303	19	0	17	554	3054	3213	-159	3608	0	3608
5	11:11:53	34	163	302	19	0	19	537	3025	2987	38	3562	0	3562
6	10:29:18	35	163	285	18	0	17	518	3138	3223	-85	3656	0	3656
7	10:00:47	57	162	284	19	0	16	538	3103	3205	-102	3641	0	3641
8	09:55:44	33	162	285	19	0	7	506	3278	3294	-16	3784	0	3784
9	10:00:44	34	161	303	15	0	10	523	3172	3272	-100	3695	0	3695
10	10:20:55	35	161	304	13	0	16	529	3424	3316	108	3953	0	3953
11	10:14:59	35	160	301	12	0	17	525	3169	3040	129	3694	0	3694
12	10:55:42	35	163	273	18	0	17	506	3167	3227	-60	3673	0	3673
13	10:00:09	22	159	272	19	0	18	490	3335	3367	-32	3825	0	3825
14	09:58:48	39	163	295	20	0	18	535	3348	3364	-16	3883	0	3883
15	09:54:31	37	162	297	18	0	16	530	3481	3533	-52	4011	0	4011
16	10:25:33	39	159	302	17	0	14	531	3469	3359	110	4000	3	4003
17	10:24:41	39	161	295	18	0	14	527	3802	3678	124	4329	0	4329
18	10:25:53	35	159	0	13	0	17	224	3854	3849	5	4078	0	4078
19	11:02:53	35	161	298	18	0	18	530	3607	3608	-1	4137	0	4137
20	10:03:11	35	157	304	16	0	14	526	3892	3906	-14	4418	0	4418
21	10:29:29	35	158	301	8	0	18	520	3865	3854	11	4385	0	4385
22	10:01:19	34	158	303	9	0	9	513	3955	3926	29	4468	0	4468
23	10:01	35	158	304	19	0	7	523	3840	3825	15	4363	0	4363
24	10:26	35	160	305	12	0	7	519	4049	3955	94	4568	0	4568
25	09:30	35	158	300	19	0	8	520	3676	3596	80	4196	0	4196
26	10:29:26	35	133	299	17	0	16	500	3603	3544	59	4103	0	4103
27	09:59:16	34	162	289	18	0	18	521	3779	3929	-150	4300	0	4300
28	10:28:08	34	160	283	17	0	16	510	3723	3585	138	4233	0	4233
29	10:20:37	37	163	303	19	0	17	539	3846	3900	-54	4385	0	4385
30	10:28:07	32	158	302	18	0	18	528	3764	3760	4	4292	0	4292
1	10:32:10	34	162	305	16	0	8	525	4160	3999	161	4685	0	4685

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

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-) / UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	10:02:18	35	162	303	2	0	18	520	3212	3115	97	3732	0	3732
2	10:48:28	34	160	302	19	0	16	531	3159	3173	-14	3690	0	3690
3	10:37:18	34	162	304	18	0	17	535	3448	3397	51	3983	0	3983
4	10:28:03	52	163	303	19	0	17	554	3054	3213	-159	3608	0	3608
5	11:11:53	34	163	302	19	0	19	537	3025	2987	38	3562	0	3562
6	10:29:18	35	163	285	18	0	17	518	3138	3223	-85	3656	0	3656
7	10:00:47	57	162	284	19	0	16	538	3103	3205	-102	3641	0	3641
8	09:55:44	33	162	285	19	0	7	506	3278	3294	-16	3784	0	3784
9	10:00:44	34	161	303	15	0	10	523	3172	3272	-100	3695	0	3695
10	10:20:55	35	161	304	13	0	16	529	3424	3316	108	3953	0	3953
11	10:14:59	35	160	301	12	0	17	525	3169	3040	129	3694	0	3694
12	10:55:42	35	163	273	18	0	17	506	3167	3227	-60	3673	0	3673
13	10:00:09	22	159	272	19	0	18	490	3335	3367	-32	3825	0	3825
14	09:58:48	39	163	295	20	0	18	535	3348	3364	-16	3883	0	3883
15	09:54:31	37	162	297	18	0	16	530	3481	3533	-52	4011	0	4011
16	10:25:33	39	159	302	17	0	14	531	3469	3359	110	4000	3	4003
17	10:24:41	39	161	295	18	0	14	527	3802	3678	124	4329	0	4329
18	10:25:53	35	159	0	13	0	17	224	3854	3849	5	4078	0	4078
19	11:02:53	35	161	298	18	0	18	530	3607	3608	-1	4137	0	4137
20	10:03:11	35	157	304	16	0	14	526	3892	3906	-14	4418	0	4418
21	10:29:29	35	158	301	8	0	18	520	3865	3854	11	4385	0	4385
22	10:01:19	34	158	303	9	0	9	513	3955	3926	29	4468	0	4468
23	10:01	35	158	304	19	0	7	523	3840	3825	15	4363	0	4363
24	10:26	35	160	305	12	0	7	519	4049	3955	94	4568	0	4568
25	09:30	35	158	300	19	0	8	520	3676	3596	80	4196	0	4196
26	10:29:26	35	133	299	17	0	16	500	3603	3544	59	4103	0	4103
27	09:59:16	34	162	289	18	0	18	521	3779	3929	-150	4300	0	4300
28	10:28:08	34	160	283	17	0	16	510	3723	3585	138	4233	0	4233
29	10:20:37	37	163	303	19	0	17	539	3846	3900	-54	4385	0	4385
30	10:28:07	32	158	302	18	0	18	528	3764	3760	4	4292	0	4292
1	10:32:10	34	162	305	16	0	8	525	4160	3999	161	4685	0	4685

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

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

(i) RPH	0.000
(ii) GT+STG	30.344
(iii) PRAGATI	119.218
(iv) RITHALA	0.000
(v) BAWANA CCGT	216.608
(vi) Timarpur – Okhla	14.739
EDWPCL	0.000
DMSWL	12.874
TOTAL	393.783
B) AVAILABILITY FROM BTPS	0.000
C) AUXILIARY CONSUMPTION OF GENERATING STNs. EXCLUDING BTPS	16.218
D) NET GENERATION AVAILABLE WITHIN DELHI(A+B-C)	377.565

B) SOURCE WISE SCHEDULED DRAWL FROM THE NORTHERN GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
B/SUIL	1.476	1.419	1.476	1.419
SALAL	7.498	7.209	7.498	7.209
SASAN	305.521	293.751	305.521	293.751
TANKAPUR	4.399	4.229	4.399	4.229
CHAMERA	0.000	0.000	0.000	0.000
CHAMERA -II	4.133	3.973	4.133	3.973
CHAMERA -III	3.073	2.955	3.073	2.955
DHAULIGANGA	5.649	5.431	5.649	5.431
SEWA -2	0.000	0.000	0.000	0.000
URI	7.956	7.648	7.956	7.648
URI-II	7.093	6.820	7.093	6.820
KOLDAM	0.000	0.000	0.000	0.000
KOTESHWAR	8.821	8.481	8.821	8.481
PARBATI3	1.796	1.727	1.796	1.727
RAMPUR	0.000	0.000	0.000	0.000
ANTA (CRF)	17.532	16.859	0.000	0.000
ANTA (GAS)	0.000	0.000	0.000	0.000
ANTA (RLNG)	0.054	0.051	0.000	0.000
ANTA (LIQUID)	15.525	14.924	0.000	0.000
DADRI (CRF)	5.212	5.012	0.000	0.000
DADRI (GAS)	0.000	0.000	0.000	0.000
DADRI (RLNG)	0.020	0.019	0.000	0.000
DADRI (LIQUID)	60.561	58.227	0.000	0.000
AURAIYA (CRF)	31.478	30.269	0.000	0.000
AURAIYA (GAS)	0.000	0.000	0.000	0.000
AURAIYA (RLNG)	0.143	0.138	0.000	0.000
AURAIYA (LIQUID)	20.441	19.649	0.000	0.000
SINGRAULI	88.082	84.689	81.929	78.773
SINGRAULI_HYDRO	0.128	0.123	0.128	0.123
RIHAND -I	67.335	64.741	59.239	56.957
RIHAND -II	83.577	80.357	78.032	75.027
RIHAND -III	87.168	83.813	81.836	78.687
UNCHAHAHAR-I	7.358	7.078	4.632	4.457
UNCHAHAHAR-II	31.534	30.319	23.117	22.227
UNCHAHAHAR-III	19.177	18.439	14.419	13.864
UNCHAHAHAR-IV	0.000	0.000	0.000	0.000
DADRI (TH)	514.665	494.834	0.000	0.000
DADRI (TH) STAGE-II	511.000	491.310	195.258	187.849
BRBCL (NABIPUR-BIHAR)	3.832	3.684	3.563	3.426
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
NAPP	32.067	30.832	32.067	30.832
RAPP 'B'	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
RAPP 'C'	25.875	24.886	25.875	24.886
NATHPA JHAKRI	23.063	22.174	23.063	22.174
DULASTI	8.743	8.406	8.743	8.406
TEHRI	16.238	15.612	16.238	15.612
JHAJJAR	444.963	427.746	294.889	283.467
KHELGAON	12.034	11.575	7.898	7.597
KHELGAON-II	104.667	100.637	87.806	84.426
FARAKA	5.406	5.200	3.769	3.626
TALA	4.158	3.997	4.158	3.997
DVC	232.395	232.395	232.395	223.442
TUTICORIN - BRPL	10.021	10.021	10.021	9.633
MADHYA PRADESH	0.000	0.000	0.000	0.000
JP NIGRIE (GUJRAT)	0.000	0.000	0.000	0.000
KARNATAKA	2.452	2.452	2.452	2.357
GMRKEL (ORISSA)	13.912	13.912	13.912	13.376
GOA	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.000	0.000	0.000	0.000
GUJRAT	0.000	0.000	0.000	0.000
SINGOLI (UTTRAKHAND)	13.133	13.133	13.133	12.628
MANIPUR	0.465	0.465	0.465	0.447
RGPPPL(Ratna Giri Power Pvt. Ltd.)	0.000	0.000	0.000	0.000
FSTPP-III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	0.000	0.000	0.000	0.000
TAMILNAIDU	0.000	0.000	0.000	0.000
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
ANDHRA	0.187	0.187	0.187	0.180
JITPL(Jindal Indai Thermal Power Ltd.)	0.000	0.000	0.000	0.000
UTTRAKHAND	0.000	0.000	0.000	0.000
METHON POWER(NDPL)LT-06	170.515	170.515	170.515	163.935
DVC MEJIA (LT-08)(BYPL)	62.154	62.154	62.154	59.760
Acme_RUMS	8.608	8.608	8.608	8.276
Arinsun_RUMS	8.543	8.543	8.543	8.214
Mahindra_RUMS	8.577	8.577	8.577	8.246
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	3.183	3.183	3.183	3.060
HIMACHAL PRADESH	4.132	4.132	4.132	3.973
KAMENG (ARUNACHAL PRADESH)	0.000	0.000	0.000	0.000
TEESTA-III (West Bengal)	27.293	27.293	27.293	26.241
KERALA	0.000	0.000	0.000	0.000
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HIMACHAL PRADESH LT-59 DVC	1.076	1.076	1.076	1.035
HARYANA (LT-05)	56.840	56.840	56.840	54.651
MP(SOLAR RUMS)	21.507	21.507	21.507	20.681
HP TPDDL (NANTI)	1.159	1.159	1.159	1.114
ALFANAR WIND(BRPL) GUJRAT	23.807	23.807	23.807	22.883
ALFANAR WIND(BYPL) (GUJRAT)	7.936	7.936	7.936	7.628
ASE4PL (Adani Green ENERGY U.P.)	9.790	9.790	9.790	9.412
ALFANAR WIND(TPDDL)(GUJRAT)	7.932	7.932	7.932	7.624
ADHPL (HP)	0.000	0.000	0.000	0.000
ODHISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	8.302	8.302	8.302	7.983
RAJASTHAN(SOLAR) BRPL-LT36	2.676	2.676	2.676	2.573
RAJASTHAN(SOLAR) BYPL - LT-35	2.618	2.618	2.618	2.517
RAJASTHAN(SOLAR) TPDDL LT-31	2.576	2.576	2.576	2.476
HP TARANDA (RAILWAYS)	1.608	1.608	1.608	1.546
Eden Renewable Cite Pvt. Ltd.(RJ)Brpl	44.333	44.333	44.333	42.624
Eden Renewable Cite Pvt. Ltd.(RJ)BYpl	8.866	8.866	8.866	8.524

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
SBSR Power Clean Tech. 11 Pvt. Ltd.(BKN)BYPL	3.402	3.402	3.402	3.271
SBSR Power Clean Tech. 11 Pvt. Ltd.(BKN)NDPL	6.803	6.803	6.803	6.540
AP41PL_BHDL (BRPL)	5.867	5.867	5.867	5.641
AP43PL_BKN (NDMC)	0.781	0.781	0.781	0.751
APP1PL_BKN (BRPL)	2.994	2.994	2.994	2.877
RSEJ3PL_FTG2	3.182	3.182	3.182	3.057
RSUPL_FTG2	10.338	10.338	10.338	9.947
AP43PL_BKN (NDPL)	1.900	1.900	1.900	1.827
APP1PL_BKN (NDPL)	1.628	1.628	1.628	1.564
RSUPL_FTG2(NDPL)	0.106	0.106	0.106	0.102
ASEJ2L (NDPL)	0.022	0.022	0.022	0.021
TO MANIPUR	-2.772	-2.772	-2.772	-2.880
TO MAHARASHTRA	-10.757	-10.757	-10.757	-11.188
TO UTTRAKHAND	-163.381	-163.381	-163.381	-169.924
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO MEGHALAYA	-60.104	-60.104	-60.104	-62.509
TO KERALA	0.000	0.000	0.000	0.000
TO GOA	0.000	0.000	0.000	0.000
TO SIKKIM	0.000	0.000	0.000	0.000
TO UP	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MP	-16.111	-16.111	-16.111	-16.757
TO ARUNACHAL PRADESH	-2.772	-2.772	-2.772	-2.880
TO HIMACHAL PRADESH	-102.261	-102.261	-102.261	-106.358
TO GUJRAT	0.000	0.000	0.000	0.000
POWER EXCHANGE(IEX)	80.206	77.129	80.206	77.129
TO POWER EXCHANGE (IEX)	-99.258	-103.232	-99.258	-103.232
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-21.833	-22.707	-21.833	-22.707
TO SHARE PROJECT (PUNJAB)	-9.515	-9.900	-9.515	-9.900
REAL TIME MANAGEMENT (RTM)	32.295	31.050	32.295	31.050
TO REAL TIME MANAGEMENT (RTM)	-35.270	-36.682	-35.270	-36.682
GDAM IEX	32.320	31.074	32.320	31.074
TOTAL	3023.857	2911.436	1828.482	1716.933

AGENCY WISE BREAKUP OF ENERGY SCHEDULED DRAWAL FROM THE GRID

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
NTPC - NR	1564.820	1504.536	542.153	521.390
NTPC - ER	122.107	117.411	99.473	95.649
NHPC	51.815	49.816	51.815	49.816
NPC	57.942	55.718	57.942	55.718
SASAN	305.521	293.751	305.521	293.751
KOTESHWAR	8.821	8.481	8.821	8.481
NATHPA JHAKRI	23.063	22.174	23.063	22.174
TALCHER FOR AUX. OF BTPS	0.000	0.000	0.000	0.000
TEHRI	16.238	15.612	16.238	15.612
TALA	4.158	3.997	4.158	3.997
JHAJJAR	444.963	427.746	294.889	283.467
RAJASTHAN SOLAR(BRPL)T-36	2.676	2.676	2.676	2.573
RAJASTHAN SOLAR(BYPL)T-35	2.618	2.618	2.618	2.517
RAJASTHAN SOLAR(TPDDL)T-31	2.576	2.576	2.576	2.476
DVC	232.395	232.395	232.395	223.442
TUTICORIN BRPL	10.021	10.021	10.021	9.633
MADHYA PRADESH	0.000	0.000	0.000	0.000

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
JP NIGRIE (GUJRAT)	0.000	0.000	0.000	0.000
KARNATAKA	2.452	2.452	2.452	2.357
GMRKEL (ORISSA)	13.912	13.912	13.912	13.376
GOA	0.000	0.000	0.000	0.000
UTTAR PRADESH	0.000	0.000	0.000	0.000
REGL (ADANI) CHATTISHGARH	0.000	0.000	0.000	0.000
RPREL (ADANI)CHATTISHGARH	0.000	0.000	0.000	0.000
KWHEP (HP)	0.000	0.000	0.000	0.000
SAINJ (HP)	0.000	0.000	0.000	0.000
BGTPP (ASSAM)	0.000	0.000	0.000	0.000
GUJRAT	0.000	0.000	0.000	0.000
SINGOLI (UTTRAKHAND)	13.133	13.133	13.133	12.628
MANIPUR	0.465	0.465	0.465	0.447
RGPPL(Ratna Giri Power Pvt. Ltd.)	0.000	0.000	0.000	0.000
FSTPP -III (WEST BENGAL)	0.000	0.000	0.000	0.000
SIKKIM	0.000	0.000	0.000	0.000
TAMILNAIDU	0.000	0.000	0.000	0.000
SEIL PROJECT-II(ANDHRA PRADESH)	0.000	0.000	0.000	0.000
MEGHALAYA	0.000	0.000	0.000	0.000
ANDHRA	0.187	0.187	0.187	0.180
JITPL(Jindal Indai Thermal Power Ltd.)	0.000	0.000	0.000	0.000
UTTRAKHAND	0.000	0.000	0.000	0.000
METHON POWER (NDPL)-LT-06	170.515	170.515	170.515	163.935
DVC MEJIA (LT-08)(BYPL)	62.154	62.154	62.154	59.760
Acme_RUMS	8.608	8.608	8.608	8.276
Arinsun_RUMS	8.543	8.543	8.543	8.214
Mahindra_RUMS	8.577	8.577	8.577	8.246
URS	0.000	0.000	0.000	0.000
JAMMU & KASHMIR	3.183	3.183	3.183	3.060
HIMACHAL PRADESH	4.132	4.132	4.132	3.973
KAMENG (ARUNACHAL PRADESH)	0.000	0.000	0.000	0.000
TEESTA -III (SIKKIM)	27.293	27.293	27.293	26.241
KERALA	0.000	0.000	0.000	0.000
ARUNACHAL PRADESH	0.000	0.000	0.000	0.000
HP LT-59 DVC(SURYA KANTA)	1.076	1.076	1.076	1.035
HARYANA (LT -05)	56.840	56.840	56.840	54.651
ADHPL (HP)	0.000	0.000	0.000	0.000
ODISHA	0.000	0.000	0.000	0.000
ORISSA MT-20 JITPL -DVC	0.000	0.000	0.000	0.000
WEST BENGAL	0.000	0.000	0.000	0.000
TELENGANA	8.302	8.302	8.302	7.983
MP(SOLAR RUMS)	21.507	21.507	21.507	20.681
HP TPDDL (NANTI)	1.159	1.159	1.159	1.114
HP TRANDA (RAILWAYS)	1.608	1.608	1.608	1.546
ALFANAR WIND(BRPL)	23.807	23.807	23.807	22.883
ALFANAR WIND(BYPL)	7.936	7.936	7.936	7.628
ASE4PL (Adani Green ENERGY U.P.)	9.790	9.790	9.790	9.412
ALFANAR WIND(TPDDL)	7.932	7.932	7.932	7.624

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
Eden Renewable Cite Pvt. Ltd.(RJ)Brpl	44.333	44.333	44.333	42.624
Eden Renewable Cite Pvt. Ltd.(RJ)BYpl	8.866	8.866	8.866	8.524
SBSR Power Clean Tech. 11 Pvt. Ltd.(BKN)BYPL	3.402	3.402	3.402	3.271
SBSR Power Clean Tech. 11 Pvt. Ltd.(BKN)NDPL	6.803	6.803	6.803	6.540
AP41PL_BHDL (BRPL)	5.867	5.867	5.867	5.641
AP43PL_BKN (NDMC)	0.781	0.781	0.781	0.751
APP1PL_BKN (BRPL)	2.994	2.994	2.994	2.877
RSEJ3PL_FTG2	3.182	3.182	3.182	3.057
RSUPL_FTG2	10.338	10.338	10.338	9.947
AP43PL_BKN (NDPL)	1.900	1.900	1.900	1.827
APP1PL_BKN (NDPL)	1.628	1.628	1.628	1.564
RSUPL_FTG2(NDPL)	0.106	0.106	0.106	0.102
ASEJ2L (NDPL)	0.022	0.022	0.022	0.021
POWER EXCHANGE(IEX)	80.206	77.129	80.206	77.129
POWER EXCHANGE(PX)	0.000	0.000	0.000	0.000
REAL TIME MANAGEMENT (RTM)	32.295	31.050	32.295	31.050
GDAM IEX	32.320	31.074	32.320	31.074
TOTAL	3547.892	3442.116	2352.517	2261.949

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

NAME OF THE STATION	AVAILABILITY AT POWER PLANT	AVAILABILITY AT DELHI PERIPHERY	ALLOCATION MADE BY NRLDC AT POWER PLANT	ALLOCATION MADE BY NRLDC AT DELHI PERIPHERY
TO MANIPUR	-2.772	-2.772	-2.772	-2.880
TO MAHARASHTRA	-10.757	-10.757	-10.757	-11.188
TO UTTARAKHAND	-163.381	-163.381	-163.381	-169.924
TO WEST BENGAL	0.000	0.000	0.000	0.000
TO KERALA	0.000	0.000	0.000	0.000
TO MEGHALAYA	-60.104	-60.104	-60.104	-62.509
TO GOA	0.000	0.000	0.000	0.000
TO SIKKIM	0.000	0.000	0.000	0.000
TO UP	0.000	0.000	0.000	0.000
TO CHATTISHGARH	0.000	0.000	0.000	0.000
TO MP	-16.111	-16.111	-16.111	-16.757
TO ARUNACHAL PRADESH	-2.772	-2.772	-2.772	-2.880
TO HIMACHAL PRADESH	-102.261	-102.261	-102.261	-106.358
TO GUJRAT	0.000	0.000	0.000	0.000
TO POWER EXCHANGE (IEX)	-99.258	-103.232	-99.258	-103.232
TO POWER EXCHANGE (PX)	0.000	0.000	0.000	0.000
TO SHARE PROJECT (HARYANA)	-21.833	-22.707	-21.833	-22.707
TO SHARE PROJECT (PUNJAB)	-9.515	-9.900	-9.515	-9.900
TO REAL TIME MANAGEMENT (RTM)	-35.270	-36.682	-35.270	-36.682
TOTAL	-524.035	-530.680	-524.035	-545.017
TOTAL SCHEDULED DRAWAL FROM THE GRID	3023.857	2911.436	1828.482	1716.933

TOTAL CONSUMPTION INCLUDING AUX. OF GENERATING STNs		2106.275
NET CONSUMPTION		2090.057
AVAILABILITY WITHIN DELHI		377.565
ACTUAL DRAWAL FROM THE GRID		1712.492
OVER DRAWAL(+)/UNDER DRAWAL(-) FROM THE GRID ON THE BASIS OF SCHEDULED ALLOCATION MADE BY NRLDC TO DELHI AT PERIPHERY		-4.441
LOAD SHEDDING		0.396
UNRESTRICTED DEMAND (GROSS)		2106.671
UNRESTRICTED DEMAND (NET)		2090.45
MAX. NET CONSUMPTION		74.835 On 31.12.21
MAX. LOAD SHEDDING		66 MW ON 26.12.2021 AT 20.42HRS.
PEAK LOAD	Peak Demand during the month	SHEDDING AT PEAK TIME
DAY PEAK	4685MW AT 10.32.10HRS ON 31.12.2021	NIL.
EVENING PEAK	3748MW AT 18.30 HRS ON 20.12.2021	NIL

8. SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2021.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.12.21	0	0.0000	0.0000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.2912.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.21	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0	0.000	0.000	0.000	0.000	0.0000	0.000	0.000	0.000	0.000	0.000

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
01.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.2912.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM								
	DTL					DISCOMS			
	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000
02.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
03.12.21	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
04.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.12.21	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
10.12.21	0.000	0.005	0.017	0.000	0.000	0.000	0.000	0.000	0.000
11.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.12.21	0.000	0.026	0.000	0.000	0.000	0.000	0.004	0.000	0.000
13.12.21	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.12.21	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.000	0.000
16.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
17.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000
18.12.21	0.000	0.037	0.006	0.000	0.000	0.000	0.006	0.001	0.000
19.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.12.21	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
21.12.21	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.12.21	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.12.21	0.000	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.000
26.12.21	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.003	0.000
27.12.21	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
.2912.21	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
30.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.002	0.119	0.026	0.000	0.000	0.001	0.027	0.014	0.000

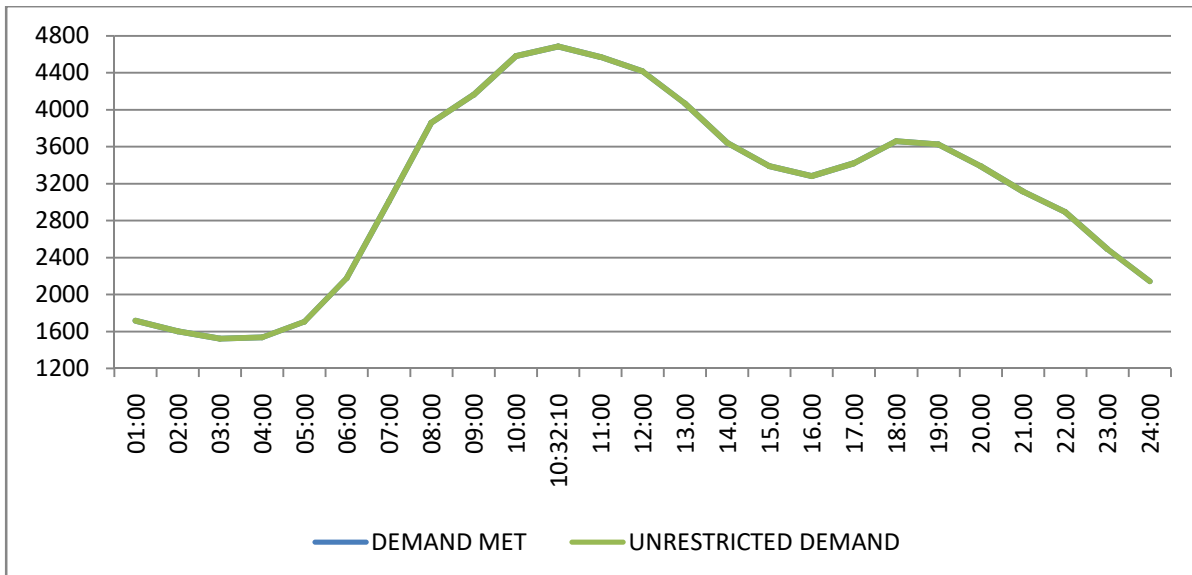
DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE 42= 26 to 41	GRAND TOTAL 43 = 25 + 42
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41		
01.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
02.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
03.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
04.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
09.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002
10.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.023
11.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.030
13.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
14.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
16.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
17.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
18.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.050
19.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003
21.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.006
22.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
23.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.016
24.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.005
26.12.21	0.118	0.008	0.071	0.007	0.000	0.000	0.000	0.209	0.209
27.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.008
28.12.21	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.003	0.003
.2912.21	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.002	0.002
30.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.118	0.010	0.073	0.007	0.000	0.000	0.000	0.396	0.396

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
01.12.21	63.855	3732	10:02:18	0	3732	3732	10:02:18	3732	0
02.12.21	64.072	3690	10:48:28	0	3690	3690	10:48:28	3690	0
03.12.21	66.432	3983	10:37:18	0	3983	3983	10:37:18	3983	0
04.12.21	59.927	3608	10:28:03	0	3608	3608	10:28:03	3608	0
05.12.21	60.369	3562	11:11:53	0	3562	3562	11:11:53	3562	0
06.12.21	63.073	3656	10:29:18	0	3656	3656	10:29:18	3656	0
07.12.21	64.494	3641	10:00:47	0	3641	3641	10:00:47	3641	0
08.12.21	62.851	3784	09:55:44	0	3784	3784	09:55:44	3784	0
09.12.21	65.497	3695	10:00:44	0	3695	3695	10:00:44	3695	0
10.12.21	66.179	3953	10:20:55	0	3953	3953	10:20:55	3953	0
11.12.21	62.029	3694	10:14:59	0	3694	3694	10:14:59	3694	0
12.12.21	60.756	3673	10:55:42	0	3673	3673	10:55:42	3673	0
13.12.21	64.183	3825	10:00:09	0	3825	3825	10:00:09	3825	0
14.12.21	66.501	3883	09:58:48	0	3883	3883	09:58:48	3883	0
15.12.21	67.405	4011	09:54:31	0	4011	4011	09:54:31	4011	0
16.12.21	67.798	4000	10:25:33	3	4003	4003	10:25:33	4000	3
17.12.21	70.243	4329	10:24:41	0	4329	4329	10:24:41	4329	0
18.12.21	68.114	4078	10:25:53	0	4078	4078	10:25:53	4078	0
19.12.21	66.421	4137	11:02:53	0	4137	4137	11:02:53	4137	0
20.12.21	71.989	4418	10:03:11	0	4418	4418	10:03:11	4418	0
21.12.21	73.037	4385	10:29:29	0	4385	4385	10:29:29	4385	0
22.12.21	73.444	4468	10:01:19	0	4468	4468	10:01:19	4468	0
23.12.21	73.019	4363	10:01	0	4363	4363	10:01	4363	0
24.12.21	74.115	4568	10:26	0	4568	4568	10:26	4568	0
25.12.21	68.112	4196	09:30	0	4196	4196	09:30	4196	0
26.12.21	64.937	4103	10:29:26	0	4103	4103	10:29:26	4103	0
27.12.21	69.907	4300	09:59:16	0	4300	4300	09:59:16	4300	0
28.12.21	72.764	4233	10:28:08	0	4233	4233	10:28:08	4233	0
.2912.21	71.702	4385	10:20:37	0	4385	4385	10:20:37	4385	0
30.12.21	71.997	4292	10:28:07	0	4292	4292	10:28:07	4292	0
31.12.21	74.835	4685	10:32:10	0			10:32:10	4685	0
TOTAL	2090.057	4685	10:32:10	0	4685	4685	10:32:10	4685	0
		31.12.21			31.12.21				

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2021 ON 31.12.2021 - 4685 MW AT 10.32.10HRS.**

All figures in MW

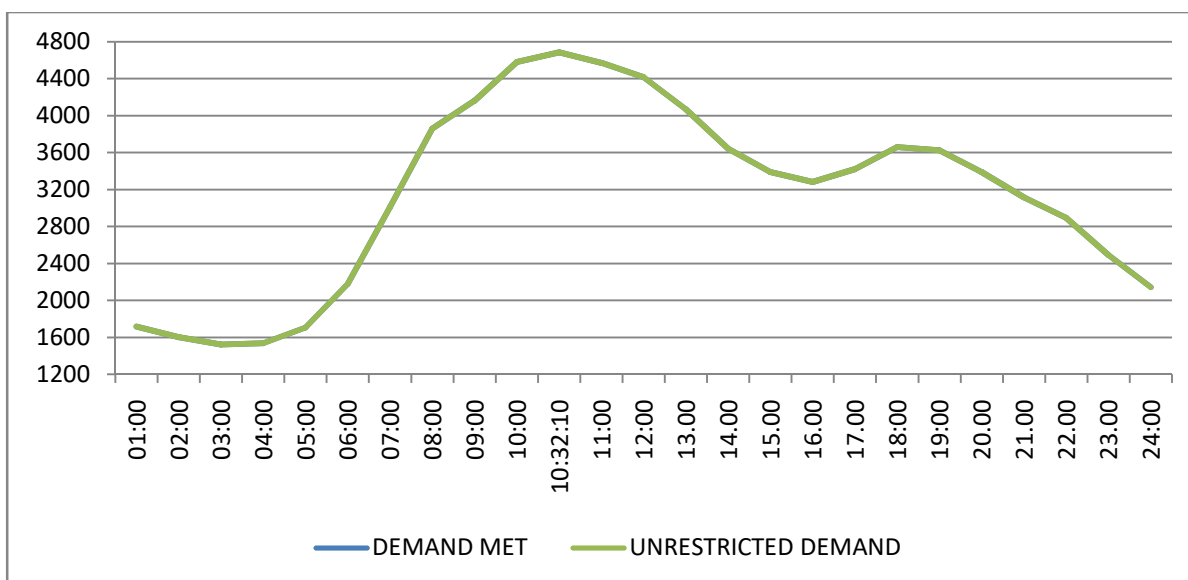
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1718	0	1718
02:00	1602	0	1602
03:00	1524	0	1524
04:00	1538	0	1538
05:00	1707	0	1707
06:00	2177	0	2177
07:00	3009	0	3009
08:00	3857	0	3857
09:00	4162	0	4162
10:00	4580	0	4580
10:32:10	4685	0	4685
11:00	4571	0	4571
12:00	4414	0	4414
13:00	4069	0	4069
14:00	3641	0	3641
15:00	3390	0	3390
16:00	3282	0.0	3282
17:00	3421	0	3421
18:00	3660	0	3660
19:00	3625	0	3625
20:00	3389	0	3389
21:00	3117	0	3117
22:00	2892	0	2892
23:00	2492	0	2492
24:00	2144	0	2144
Total (IN MUS)	74.835	0.0003	74.8353



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2021 ON 31.12.2021-4685MW AT 10.32.10HRS.

All figures in MW

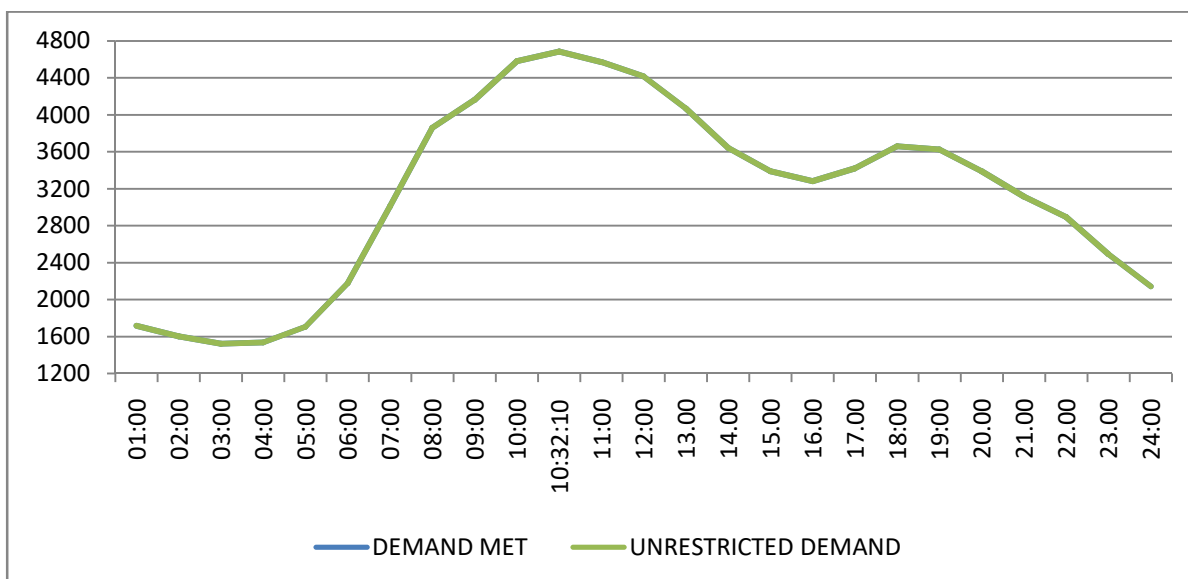
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1718	0	1718
02:00	1602	0	1602
03:00	1524	0	1524
04:00	1538	0	1538
05:00	1707	0	1707
06:00	2177	0	2177
07:00	3009	0	3009
08:00	3857	0	3857
09:00	4162	0	4162
10:00	4580	0	4580
10:32:10	4685	0	4685
11:00	4571	0	4571
12:00	4414	0	4414
13:00	4069	0	4069
14:00	3641	0	3641
15:00	3390	0	3390
16:00	3282	0.0	3282
17:00	3421	0	3421
18:00	3660	0	3660
19:00	3625	0	3625
20:00	3389	0	3389
21:00	3117	0	3117
22:00	2892	0	2892
23:00	2492	0	2492
24:00	2144	0	2144
Total (IN MUS)	74.835	0.0003	74.8353



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2021 – 31.12.2021 – 74.835 Mus

All figures in MW

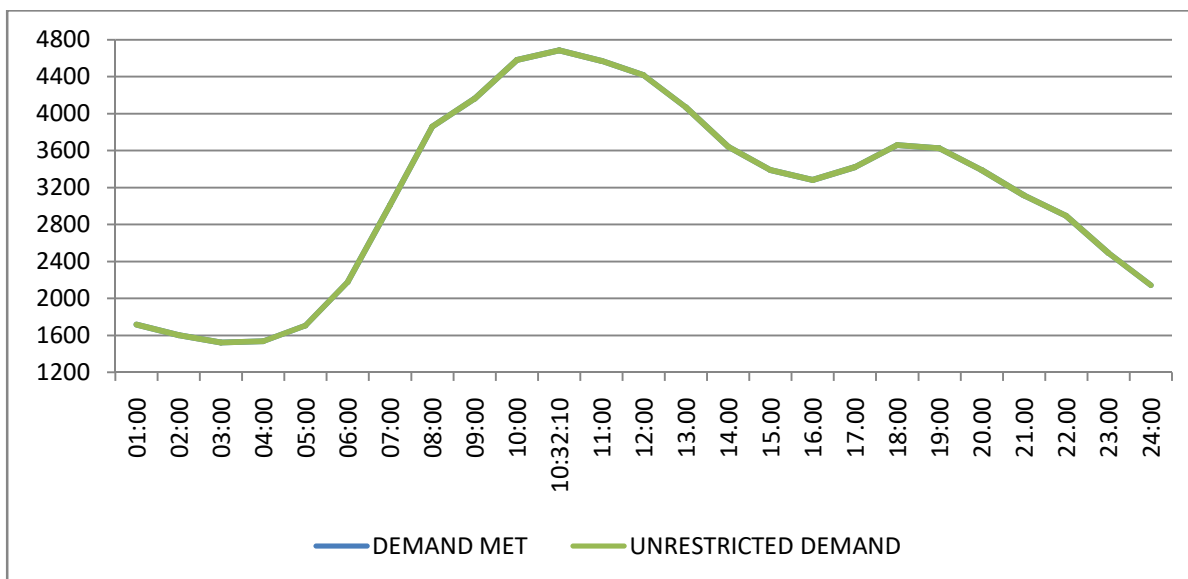
Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1718	0	1718
02:00	1602	0	1602
03:00	1524	0	1524
04:00	1538	0	1538
05:00	1707	0	1707
06:00	2177	0	2177
07:00	3009	0	3009
08:00	3857	0	3857
09:00	4162	0	4162
10:00	4580	0	4580
10:32:10	4685	0	4685
11:00	4571	0	4571
12:00	4414	0	4414
13:00	4069	0	4069
14:00	3641	0	3641
15:00	3390	0	3390
16:00	3282	0.0	3282
17:00	3421	0	3421
18:00	3660	0	3660
19:00	3625	0	3625
20:00	3389	0	3389
21:00	3117	0	3117
22:00	2892	0	2892
23:00	2492	0	2492
24:00	2144	0	2144
Total (IN MUS)	74.835	0.0003	74.8353



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2021 - ON 31.12.2021- 74.8353-MUs

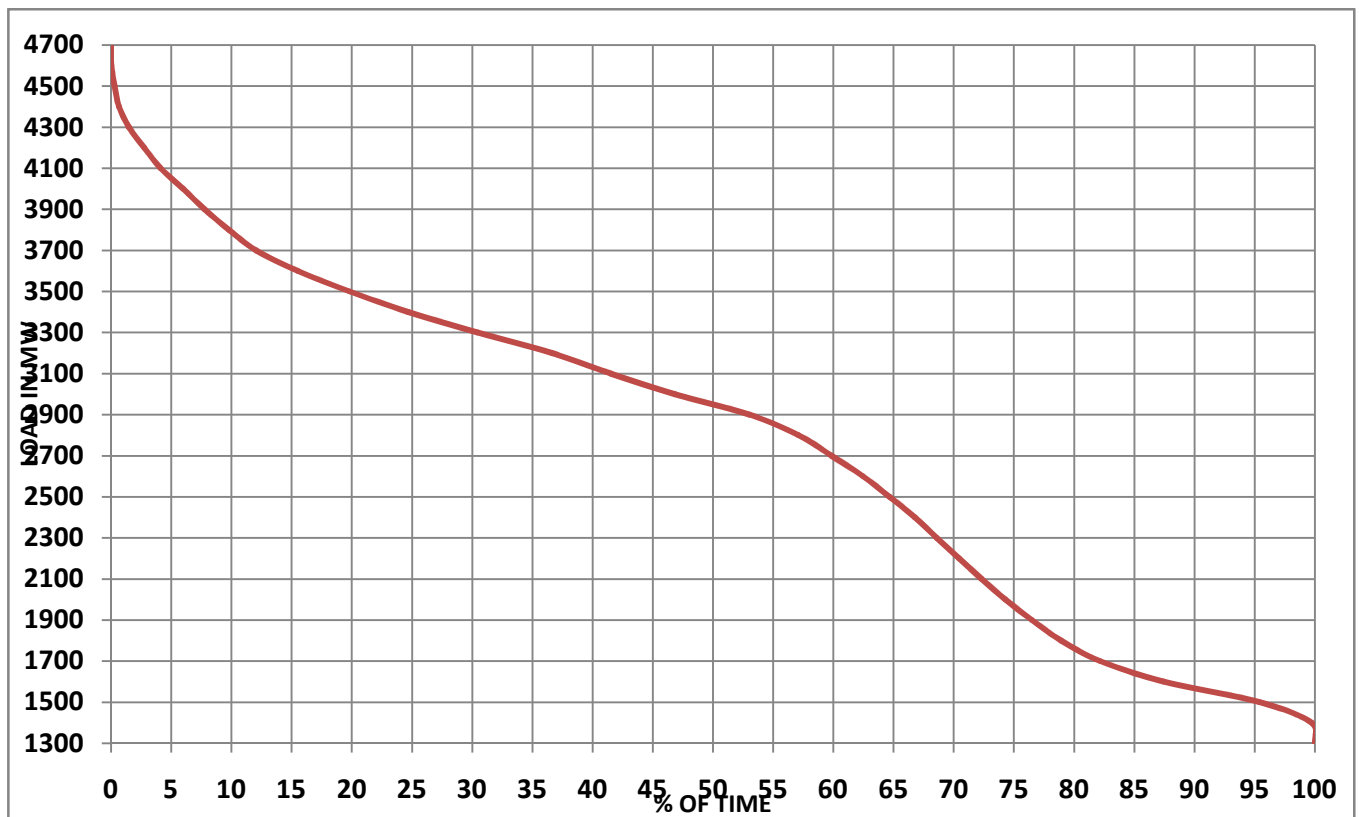
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
01:00	1718	0	1718
02:00	1602	0	1602
03:00	1524	0	1524
04:00	1538	0	1538
05:00	1707	0	1707
06:00	2177	0	2177
07:00	3009	0	3009
08:00	3857	0	3857
09:00	4162	0	4162
10:00	4580	0	4580
10:32:10	4685	0	4685
11:00	4571	0	4571
12:00	4414	0	4414
13:00	4069	0	4069
14:00	3641	0	3641
15:00	3390	0	3390
16:00	3282	0.0	3282
17:00	3421	0	3421
18:00	3660	0	3660
19:00	3625	0	3625
20:00	3389	0	3389
21:00	3117	0	3117
22:00	2892	0	2892
23:00	2492	0	2492
24:00	2144	0	2144
Total (IN MUS)	74.835	0.0003	74.8353



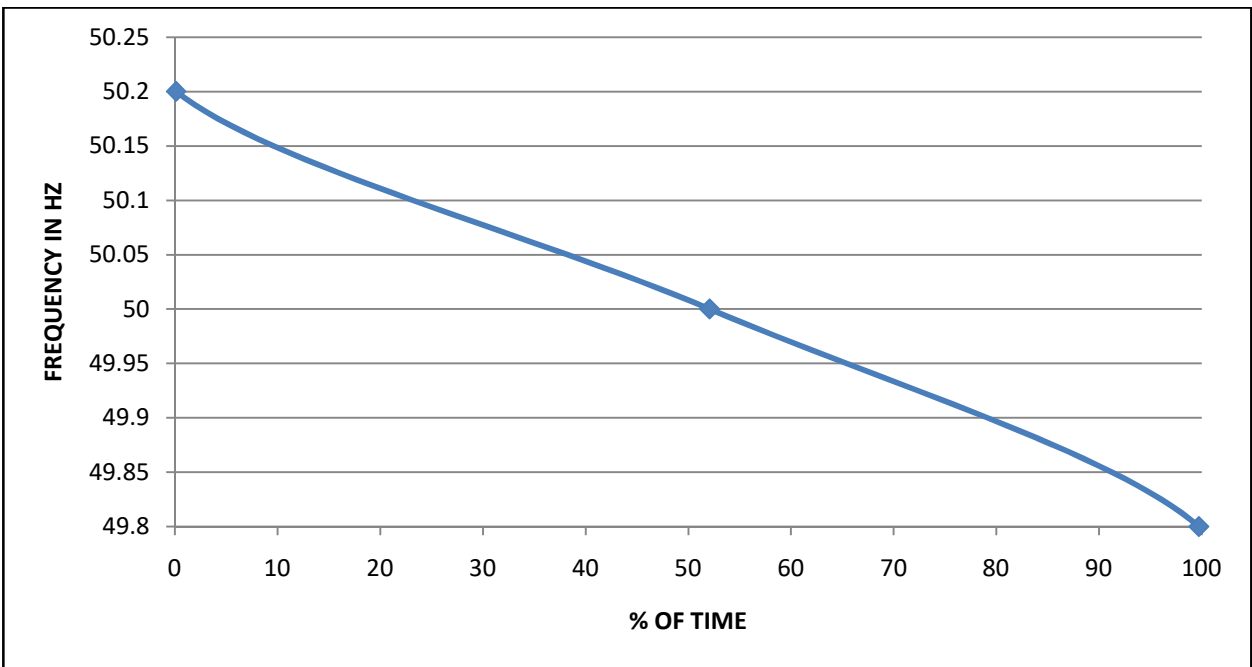
13 LOAD DURATION CURVE FOR DECEMBER 2021

LOAD REMAINED ABOVE IN MW	DURATION IN HOURS	(%) OF TIME
4700	0	0
4500	2.25	0.3
4300	11	1.48
4100	30.75	4.13
3900	57.75	7.76
3700	89.75	12.06
3500	147.5	19.83
3300	226.5	30.44
3100	309	41.53
2900	394.5	53.02
2700	445.25	59.85
2500	481.25	64.68
2300	510.25	68.58
2100	538	72.31
1900	569.25	76.51
1700	611.25	82.16
1500	709.5	95.36
1300	744	100



14 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2021

FREQUENCY REMAINED ABOVE IN HZ	DURATION IN HOURS	(%) OF TIME
50.4	0.00	0.00
50.2	1.00	0.13
50	387.50	52.08
49.8	742.00	99.73
49.6	744.00	100.00



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.12.21	237.7	217.2	230.5	211.6
02.12.21	237.0	222.0	230.1	216.5
03.12.21	237.8	220.4	230.3	215.7
04.12.21	237.5	219.2	229.6	214.3
05.12.21	239.3	220.8	229.3	216.7
06.12.21	238.0	213.9	230.0	--
07.12.21	232.8	216.1	230.9	211.2
08.12.21	233.2	213.5	230.5	209.3
09.12.21	233.9	216.6	228.7	212.0
10.12.21	233.8	216.1	230.2	212.7
11.12.21	236.1	217.1	231.0	212.7
12.12.21	237.4	220.2	230.7	213.4
13.12.21	236.8	216.3	231.2	210.1
14.12.21	236.9	216.9	230.3	211.7
15.12.21	238.0	214.7	229.8	210.4
16.12.21	237.2	215.0	228.9	210.4
17.12.21	238.3	217.9	228.9	212.0
18.12.21	240.3	217.1	228.0	214.7
19.12.21	239.9	222.8	228.0	214.4
20.12.21	235.6	214.8	229.1	212.7
21.12.21	237.5	215.8	230.4	211.1
22.12.21	239.4	218.0	230.8	211.8
23.12.21	237.9	217.3	230.2	212.5
24.12.21	238.7	219.3	229.9	211.7
25.12.21	239.5	220.8	229.1	214.3
26.12.21	238.6	222.2	231.6	215.8
27.12.21	243.4	221.3	233.1	213.6
28.12.21	239.3	221.0	229.3	213.9
29.12.21	241.3	220.1	229.3	213.5
30.12.21	240.0	221.3	231.2	215.2
31.12.21	239.7	218.4	233.2	217.2
TOTAL				

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.12.21	426.29	04:02:02	397.7	08:23:36	415.64
02.12.21	424.91	03:25:00	401.66	08:48:37	416.07
03.12.21	424.42	04:00:51	399.75	08:37:26	414.61
04.12.21	423.73	21:24:27	400.91	10:16:16	415.51
05.12.21	425.12	20:51:53	401.82	09:50:28	416.62
06.12.21	425.72	02:43:23	395.46	09:18:24	414.87
07.12.21	426.52	17:10:08	399.96	09:17:01	414.26
08.12.21	424.63	03:01:41	391.89	09:18:02	412.76
09.12.21	425.49	23:58:00	--	09:11:41	254.01
10.12.21	427.55	02:14:52	399.11	08:39:03	413.15
11.12.21	419.77	00:03:53	395.01	09:03:43	411.66
12.12.21	422.31	14:04:19	398.16	10:27:18	412.84
13.12.21	419.43	04:02:14	391.18	10:20:26	411.03
14.12.21	421.44	13:03:13	394.57	09:32:52	410.88
15.12.21	420.05	04:01:12	392.69	10:16:43	410.38
16.12.21	420.03	14:03:38	392.23	09:32:45	410.38
17.12.21	419.15	17:03:43	394.53	09:10:01	410.86
18.12.21	419.57	04:01:51	397.56	09:36:14	411.72
19.12.21	421.46	15:02:34	400.05	09:36:00	413.2
20.12.21	421.82	02:03:50	394.65	10:18:12	411.03
21.12.21	419.3	04:00:26	393.93	10:19:25	410.36
22.12.21	422.25	03:01:52	395.56	08:47:07	411.65
23.12.21	422.9	04:01:50	395.64	09:24:28	411.95
24.12.21	419.8	14:03:37	394.28	10:15:11	411.48
25.12.21	419.76	04:01:57	400.25	09:18:30	412.49
26.12.21	420.79	23:58:21	397.17	09:20:08	412.59
27.12.21	423.91	04:03:17	397.92	08:48:46	412.42
28.12.21	420.55	03:56:07	398.95	08:49:18	412.42
.2912.21	422.3	03:05:46	397.99	09:35:35	411.99
30.12.21	421.04	04:01:53	398.74	09:18:15	412.49
31.12.21	422.22	02:02:14	394.07	09:22:15	412.31

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.12.21	425.13	21:38:29	401.22	09:37:56	416.16
02.12.21	423.87	13:17:43	405.98	08:49:33	416.33
03.12.21	423.07	16:03:30	404.44	09:37:48	414.75
04.12.21	424.71	20:29:18	403.88	10:16:12	415.02
05.12.21	425.38	20:53:10	404.91	09:51:04	416.96
06.12.21	423.93	02:58:34	397.94	09:21:08	415.32
07.12.21	423.65	13:06:00	402.18	10:29:47	413.62
08.12.21	423	03:01:38	397.17	09:24:05	413.58
09.12.21	423.37	13:07:13	399.86	09:21:05	413.95
10.12.21	423.09	02:14:55	398.71	09:05:41	413.62
11.12.21	422.68	22:01:17	398.34	09:02:07	413.97
12.12.21	423.94	17:01:43	403.43	10:28:02	416.08
13.12.21	421.15	04:02:06	397.47	10:20:24	413.68
14.12.21	422.49	21:00:17	399.11	08:05:42	413.07
15.12.21	422.31	04:01:35	398.49	10:17:00	412.79
16.12.21	420.73	04:01:31	397.54	09:33:06	411.78
17.12.21	420.51	20:01:14	398.77	09:09:58	412.14
18.12.21	421.45	04:01:51	399.64	09:36:23	412.83
19.12.21	421.08	15:03:16	402.61	10:21:26	413.95
20.12.21	421.53	02:03:17	398.72	10:24:46	412.43
21.12.21	421.19	21:04:29	397.6	10:20:12	412.79
22.12.21	423.52	02:56:16	398.44	10:16:10	413.11
23.12.21	422.71	04:01:46	399.83	09:24:48	412.89
24.12.21	420.65	03:00:24	397.61	10:15:03	412.9
25.12.21	421.13	04:01:57	404.68	11:34:10	414.81
26.12.21	424.95	23:57:30	403.01	10:51:34	415.19
27.12.21	425.2	04:03:17	403.15	12:13:22	413.8
28.12.21	419.75	03:41:25	400.53	10:23:32	412.66
29.12.21	423.19	03:01:08	399.09	10:17:59	412.49
30.12.21	420.23	04:01:49	--	11:46:50	308.26
31.12.21	422.32	20:03:33	397.08	09:21:41	413.71

DETAILS OF BREAK-DOWNS/TRIPPING DURING THE MONTH OF DECEMBER 2021

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	07.12.21	10:40	RAJGHAT 220/33kv 100MVA Tx-I	07.12.21	16:25	E/F.
2	07.12.21	10:40	RAJGHAT 33kv JAMA MASJID CKT-2 (BAY-6)	07.12.21	16:25	E/F
3	07.12.21	10:40	RAJGHAT 33kv JAMA MASJID CKT-1 (BAY-5)	07.12.21	16:25	E/F
4	07.12.21	10:40	RAJGHAT 33kv MOTIA KHAN CKT (BAY-1)	07.12.21	16:25	E/F
5	07.12.21	10:40	RAJGHAT 33kv LAHORI GATE CKT (BAY-2)	07.12.21	16:25	E/F
6	08.12.21	11:47	MEHRAULI 220/66kv 100MVA Tx-III	08.12.21	12:05	TRIPPED WITHOUT INDICATION.
7	09.12.21	02:03	NARAINA 220/33kv 100MVA Tx-II	09.12.21	09:40	86
8	10.12.21	17:38	220kv NARELA - MANDOLA CKT-II	10.12.21	21:08	AT NRELA : DIST PROT, ZONE-II.
9	10.12.21	17:38	220kv NARELA - MANDOLA CKT-I	10.12.21	21:08	AT NRELA : DIST PROT, ZONE-II.
10	10.12.21	17:38	220kv DSIIDC BAWANA-NARELA CKT-II	10.12.21	18:12	AT NRELA : DIST PROT, ZONE-II.
11	10.12.21	17:38	220kv DSIIDC BAWANA-NARELA CKT-I	10.12.21	18:12	AT NRELA : DIST PROT, ZONE-II.
12	11.12.21	11:26	220KV GAZIPUR - MAHARANIBAGH CKT. -II	11.12.21	11:35	AT MAHARANI BAGH : 86A&B.
13	12.12.21	03:10	NARELA 66/11kv, 20MVA Tx-I	12.12.21	11:25	BUCHOLZ.
14	12.12.21	05:40	NAJAFGARH 66/11kv, 20MVA Tx-II	12.12.21	14:55	BUCHOLZ.
15	12.12.21	07:45	220kv BAMNAULI-NAJAFGARH CKT-I	12.12.21	17:27	AT NAJAFGARH. : TRIPPED WITHOUT INDICATION.
16	12.12.21	16:22	220kv MUNDKA-NAJAFGARH CKT	12.12.21	16:40	AT NAJAFGARH : LBB PROTECTION.
17	13.12.21	04:47	220kv MAHARANI BAGH - SARITA VIHAR CKT	13.12.21	11:38	AT SARITA VIHAR: DIST PROT, ZONE-I, DIST 3.09KM.
18	13.12.21	08:17	PAPPANKALAN-I 66/11kv, 20MVA Tx-II	17.12.21	11:16	86
19	13.12.21	10:50	OKHLA 220/33kv 100MVA Tx-V	13.12.21	11:40	TRIPPED WITHOUT INDICATOIN.
20	15.12.21	15:45	220KV GAZIPUR - MAHARANIBAGH CKT. -II	15.12.21	18:36	AT GAZIPUR : DIST PROT,ZONE-I, DIST 10.5KM, DIFFERENTIAL. AT MAHARANI BAGH : DIST PROT, ZONE-I,DIST 2.7KM.
21	19.12.21	09:20	220kv PRAGATI - I.P.CKT - I	19.12.21	09:30	For testing P.D. relay of 220 Kv C.B.
22	20.12.21	10:15	PARKSTREET 33kv MOTIA KHAN CKT-I	20.12.21	14:18	To attend C.B. problem
23	20.12.21	11:55	BAMNAULI 400/220kv 315MVA ICT-IV	20.12.21	15:50	Replacement of damage isolator clamp
24	20.12.21	15:50	PARKSTREET 66/33kv, 30MVA Tx-I	20.12.21	16:20	For attending Oil leakage
25	20.12.21	12:00	PAPPANKALAN-I 66kv G-2 PPK CKT-II	21.12.21	15:13	For attending gear box problem
26	20.12.21	15:20	OKHLA 220/66 160MVA Trx	21.12.21	16:42	For release of air
27	20.12.21	16:10	SARITA VIHAR 66/11kv, 20MVA Tx-II	28.12.21	14:05	High hydrogen gas level
28	21.12.21	09:59	220kv BAMNAULI-PAPPANKALAN-I CKT-II	21.12.21	19:45	Ckt tripped off on 3 Phase, Zone-I, 7.119Kn , 14.2 KA
29	22.12.21	10:20	NAJAFGARH 66/11kv, 20MVA Tx-II	22.12.21	10:45	For release of air
30	22.12.21	10:30	220kv BAMNAULI-PAPPANKALAN-I CKT-II	22.12.21	14:54	To attend tripping the ckt tripped off at 07:35 Hrs Relay indication as under O/C B phase , 86 A,B distance protection , auto reclose Aa 86 A , 86 B , Ph Tripp A/R SCH
31	22.12.21	10:55	SARITA VIHAR 220/66kv 160MVA TR. -I	22.12.21	13:40	Attend Hot Point.
32	22.12.21	13:30	OKHLA 220/33kv 100MVA Tx-V	22.12.21	14:35	Bus Bar protection operated
33	22.12.21	13:30	OKHLA 220/33kv 100MVA Tx-III	22.12.21	14:35	Bus Bar protection operated
34	22.12.21	18:08	220kv MAHARANIBAGH-MASJID MOTH CKT-II	22.12.21	19:30	O/C & 86
35	23.12.21	07:38	220kv OKHLA - BTPS CKT. - I	23.12.21	08:00	Bus Bar operated
36	23.12.21	07:38	220kv OKHLA - BTPS CKT. - II	23.12.21	08:00	Bus Bar operated
37	23.12.21	07:38	OKHLA 220/66kv 100MVA Tx-II	23.12.21	08:22	Bus Bar operated
38	23.12.21	07:38	OKHLA 220/66 160MVA Trx	23.12.21	08:22	Bus Bar operated
39	23.12.21	07:38	OKHLA 220/33kv 100MVA Tx-IV	23.12.21	08:22	Bus Bar operated
40	23.12.21	07:38	OKHLA 220/33kv 100MVA Tx-III	23.12.21	08:22	Bus Bar operated

SL NO	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
41	23.12.21	07:38	OKHLA 220/33kv 100MVA Tx-V	23.12.21	08:22	Bus Bar operated
42	23.12.21	12:40	SARITA VIHAR 66kv JASOLA CKT	23.12.21	14:15	For attending Hot Point
43	23.12.21	13:35	ROHINI 220/66kv 100MVA Tx-II	23.12.21	15:25	Air Released
44	23.12.21	15:00	SARITA VIHAR 66kv DMRC CKT-I	23.12.21	15:50	For attending Hot Point
45	23.12.21	18:54	TRAUMA CENTER 220/33kv 100MVA Tx-I	23.12.21	19:45	Release of Air.
46	23.12.21	20:00	INDRAPRASTHA POWER 33kv CONNAUGHT PLACE CKT (BAY-28)	24.12.21	14:00	Breaker Problem
47	24.12.21	11:40	PATPARGANJ 220/66kv 100MVA Tx-II	24.12.21	15:15	Repairing damage earthing.
48	24.12.21	11:40	PATPARGANJ 33/11kv, 20MVA Tx	24.12.21	15:15	Damage Earthing.
49	24.12.21	12:20	BAWANA 400/220kv 315MVA ICT-I	24.12.21	15:45	To fill up oil in OLTC Tank.
50	26.12.21	15:10	NAJAFGARH 66/11kv, 20MVA Tx-I	26.12.21	16:10	For PT fuse replacement.
51	27.12.21	10:05	NARELA 220/66kv 100MVA Tx-III	27.12.21	13:15	Transformer tripped, attended the fault.
52	27.12.21	10:55	220 KV PATPARGANJ - I.P. CKT-I	27.12.21	11:19	Tripped without indication.
53	27.12.21	14:10	MASJID MOTH 220/33kv 100MVA Tr-III	27.12.21	15:10	Transformer tripped, 86, I & II
54	27.12.21	15:28	220kv BAWANA-DSIIDC BAWANA CKT-I	27.12.21	19:25	Attended the Hot Point of Y Phase.
55	28.12.21	15:20	NAJAFGARH 220/66kv 100MVA Tx-I	28.12.21	16:20	Air release.
56	29.12.21	14:40	VASANT KUNJ 66kv VASANT KUNJ C-I CKT	29.12.21	16:20	Isolator alignment.
57	29.12.21	22:44	220kv BAMNAULI - DIAL CKT-I	29.12.21	23:12	Tripped off B Phase Zone 1 0.0Km INA 32.9 KA
58	29.12.21	22:44	220kv BAMNAULI - DIAL CKT-II	29.12.21	23:12	Tripped Y Phase Zone 2.
59	30.12.21	7:20	MEHRAULI 220/66kv 100MVA Tx-I	30.12.21	08:00	tripped off on 95 B , 95C, 30 B , 86
60	30.12.21	14:45	ROHINI 66/11kv, 20MVA Tx-II	30.12.21	18:35	TO ATTEND OIL LEAKAGE
61	30.12.21	15:40	PAPPANKALAN-III 66kv G-6 CKT-II	30.12.21	17:27	For measuring of Contact resistance & General Maintenance
62	31.12.21	1:51	KANJHAWALA 220/66kv 160MVA Tx-I	31.12.21	17:56	Master Trip (HV & LV Side), ABC Phase diff. Trip LV REF, 64 R LV , HV REF , Iref Phase B-6.1 KA, IN-6.39 kA
63	31.12.21	10:58	ROHINI 66/11kv, 20MVA Tx-II	31.12.21	19:12	To attend oil leakage
64	31.12.21	16:20	MEHRAULI 220/66kv 100MVA Tx-I	31.12.21	17:26	86, LV REF

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

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