

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

DECEMBER 2022

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SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No	Features	DEC. 2021	DEC. 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	0	25
	Total	2156	2181
2	Maximum Unrestricted Demand (MW)	4685	4965
	Date	31.12.21	25.12.22
	Time	10.32.10	10.27.36
3	Peak Demand met (MW)	4685	4965
	Date	31.12.21	25.12.22
	Time	10.32.10	10.27.36
4	Peak Availability (MW)	4524	4933
5	Shortage (-) / Surplus (+) in MW	(-) 161	(-) 32
6	Percentage Shortage (-) / Surplus (+)	(-) 3.44	(-) 0.64
7	Maximum Energy Consumed in a day (Mus)	74.835	81.248
8	Energy Consumed during the month	2090.057	2184.903
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.00	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.00	0.000
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	0.147	0.2246
	TPDDL	0.001	0.8004
	BRPL	0.027	0.0153
	BYPL	0.014	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.208	0.0011
	Total	0.396	1.0414
10	Grand Total in Mus	0.396	1.0414



2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING DECEMBER 2022

A) For the month of Dec. 2022

All Figures in MUs

S. No	Stations	Gross Generation	Aux. Consumption	Net Generation	Plant Availability factor for the month (%)	Backing Down
1.	RPH	0.000	0.124	-0.124	--	--
2.	GT	29.716	1.774	27.942	14.54	34.061
3.	PPCL	1.557	0.350	1.207	0.63	161.766
4.	Bawana	203.435	6.380	197.055	19.90	801.633
5.	Towmcl	14.525	1.889	12.636	--	--
6.	EDWPCL	3.378	0.854	2.524	--	--
7.	DMSWL	9.817	1.614	8.203	--	--
8.	TWEPL	9.046	1.009	8.037	--	--
	TOTAL	271.474	13.994	257.480	--	997.46

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

Power Station	Effective Capacity (MW)	Net Generation in MUs for Dec 2022	Availability (%) for Dec 2022	PLF (%) For Dec 2022	Cumulative Generation in MUs upto Dec 2022 for the year 2022-23	Cumulative Availability in % upto Dec 2022 or the year 2022-23
RPH	135	-0.124	--	--	-1.100	--
GT	270	27.942	32.02	14.54	239.366	31.59
PPCL	330	1.207	68.55	0.63	747.36	90.24
Bawana	1372	197.055	100.75	19.90	2012.097	92.82
Towmcl	16	12.636	--	--	108.984	--
EDWPCL	10	2.524	--	--	12.669	--
DMSWL	24	8.203	--	--	95.435	--
TWEPL	**	8.037	--	--	14.841	--
TOTAL	2936	257.480	--	--	3230.058	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR DECEMBER 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	01.12.22	00.00	20.12.22	08.56	Unit under shutdown due to low demand.
2	30	01.12.22	00.00	31.12.22	23.59	Unit out due to generator rotor problem.
3	30	NIL				
4	30	NIL				
5	30	01.12.22	00.00	31.12.22	23.59	Unit under shutdown due to low demand.
6	30	NIL				
STG-1	30	01.12.22	00.00	20.12.22	08.56	Unit under shutdown due to low demand.
STG-2	30	NIL				
STG-3	30	01.12.22	08.30	01.12.22	10.55	Unit tripped due to tripping of BFP pump –B
		20.12.22	05.20	20.12.22	08.15	Unit tripped due to tripping of CEP pump –A
		20.12.22	14.55	31.12.22	23.59	Unit under shutdown due to low demand.

(C) PRAGATI

Unit No	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	104	01.12.22	00.00	31.12.22	23.59	Unit under shutdown due to low demand.
2	104	01.12.22	00.00	30.12.22	08.29	Unit under shutdown due to low demand.
		30.12.22	10.48	30.12.22	12.45	Unit tripped due to internal fault
STG	122	01.12.22	00.00	30.12.22	19.22	Remained stopped due to overhauling

(D) BAWANA CCGT POWER STATION

Unit	Capacity in MW	Outage		Synchronization		Reason of Outage
		Date	Time	Date	Time	
1	216	19.12.22	03.50	19.12.22	23.59	GT tripped on high filter DP
2	216	NIL				
3	216	NIL				
4	216	20.12.22	17.58	20.12.22	20.00	DC of 1/2 STG taken out due to non-availability of respective GT#1
STG -1	254	19.12.22	03.50	19.12.22	23.59	GT#4 came on FSNL due to loass of excitation as filed breaker opened
STG -2	254	20.12.22	03.36	20.12.22	12.00	Oil leakage in HPSU
		20.12.22	17.58	20.12.22	20.43	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	14.46
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	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

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING DECEMBER 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	10.22.38	30	0	269	11	0	0	9	319	3413	3410	3	3732	0	3732
2	10.27.33	39	0	270	13	0	0	12	334	3565	3592	-27	3899	0	3899
3	10.36.40	39	0	272	13	0	0	0	324	3398	3380	18	3722	0	3722
4	10.53.44	39	0	270	16	6	0	0	331	3058	3047	11	3389	0	3389
5	10.32.04	39	0	269	19	0	0	0	327	3404	3467	-63	3731	0	3731
6	10.00.12	39	0	271	8	0	0	0	318	3470	3551	-81	3788	0	3788
7	10.01.07	38	0	272	18	5	0	3	336	3564	3611	-47	3900	0	3900
8	09.41.00	38	0	273	19	4	0	7	341	3414	3424	-10	3755	0	3755
9	10.46.51	38	0	271	19	4	0	6	338	3697	3604	93	4035	0	4035
10	10.26.25	39	0	267	17	0	0	12	335	3500	3411	89	3835	9	3843
11	11.06.34	39	0	271	16	5	-1	12	341	3632	3461	171	3973	0	3973
12	09.45.33	38	0	269	19	7	-1	13	345	3513	3494	19	3858	0	3858
13	09.57.04	38	0	269	16	7	7	10	347	3544	3534	10	3891	0	3891
14	09.55.30	38	0	270	17	4	18	10	357	3631	3601	30	3988	0	3988
15	09.48.44	39	0	272	17	4	18	10	360	3554	3486	68	3914	0	3914
16	10.28.23	38	0	313	19	0	18	12	400	3778	3694	84	4178	0	4178
17	10.09.27	38	0	280	19	6	18	11	372	3567	3588	-21	3939	0	3939
18	10.48.19	38	0	272	19	4	17	10	360	3835	3718	117	4195	0	4195
19	09.58.45	38	0	-4	16	5	17	12	84	3998	3892	106	4082	0	4082
20	09.58.47	43	0	117	9	-1	19	9	196	3914	3740	174	4110	0	4110
21	10.00.02	40	0	273	18	0	19	5	356	3912	4044	-132	4268	0	4268
22	10.21.09	40	0	270	16	2	19	11	358	3996	3959	37	4354	0	4354
23	10.28.59	41	0	273	20	5	19	10	368	4290	4205	85	4658	0	4658
24	10.02.51	50	0	279	19	2	19	9	378	3998	3920	78	4376	0	4376
25	11.20.13	41	0	270	19	4	20	10	364	4183	4199	-16	4547	0	4547
26	10.22.23	42	0	321	19	-1	18	10	409	4394	4202	192	4803	36	4839
27	11.21.25	41	0	321	19	4	18	12	415	4491	4483	8	4906	0	4906
28	10.27.36	41	0	313	19	5	18	12	408	4557	4525	32	4965	0	4965
29	10.30.36	41	0	270	19	5	19	10	364	4377	4401	-24	4741	0	4741
30	10.15.51	42	18	297	18	6	16	21	417	4482	4484	-2	4899	0	4899
31	09.56.21	40	50	272	16	7	19	5	410	4106	4075	31	4516	0	4516

POWER AVAILABILITY- DEMAND POSITION AT THE TIME OF MAXIMUM UNRESTRICTED DEMAND DURING DECEMBER 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	10.22.38	30	0	269	11	0	0	9	319	3413	3410	3	3732	0	3732
2	10.27.33	39	0	270	13	0	0	12	334	3565	3592	-27	3899	0	3899
3	10.36.40	39	0	272	13	0	0	0	324	3398	3380	18	3722	0	3722
4	10.53.44	39	0	270	16	6	0	0	331	3058	3047	11	3389	0	3389
5	10.32.04	39	0	269	19	0	0	0	327	3404	3467	-63	3731	0	3731
6	10.00.12	39	0	271	8	0	0	0	318	3470	3551	-81	3788	0	3788
7	10.01.07	38	0	272	18	5	0	3	336	3564	3611	-47	3900	0	3900
8	09.41.00	38	0	273	19	4	0	7	341	3414	3424	-10	3755	0	3755
9	10.46.51	38	0	271	19	4	0	6	338	3697	3604	93	4035	0	4035
10	10.26.25	39	0	267	17	0	0	12	335	3500	3411	89	3835	9	3843
11	11.06.34	39	0	271	16	5	-1	12	341	3632	3461	171	3973	0	3973
12	09.45.33	38	0	269	19	7	-1	13	345	3513	3494	19	3858	0	3858
13	09.57.04	38	0	269	16	7	7	10	347	3544	3534	10	3891	0	3891
14	09.55.30	38	0	270	17	4	18	10	357	3631	3601	30	3988	0	3988
15	09.48.44	39	0	272	17	4	18	10	360	3554	3486	68	3914	0	3914
16	10.28.23	38	0	313	19	0	18	12	400	3778	3694	84	4178	0	4178
17	10.09.27	38	0	280	19	6	18	11	372	3567	3588	-21	3939	0	3939
18	10.48.19	38	0	272	19	4	17	10	360	3835	3718	117	4195	0	4195
19	09.58.45	38	0	-4	16	5	17	12	84	3998	3892	106	4082	0	4082
20	09.58.47	43	0	117	9	-1	19	9	196	3914	3740	174	4110	0	4110
21	10.00.02	40	0	273	18	0	19	5	356	3912	4044	-132	4268	0	4268
22	10.21.09	40	0	270	16	2	19	11	358	3996	3959	37	4354	0	4354
23	10.28.59	41	0	273	20	5	19	10	368	4290	4205	85	4658	0	4658
24	10.02.51	50	0	279	19	2	19	9	378	3998	3920	78	4376	0	4376
25	11.20.13	41	0	270	19	4	20	10	364	4183	4199	-16	4547	0	4547
26	10.22.23	42	0	321	19	-1	18	10	409	4394	4202	192	4803	36	4839
27	11.21.25	41	0	321	19	4	18	12	415	4491	4483	8	4906	0	4906
28	10.27.36	41	0	313	19	5	18	12	408	4557	4525	32	4965	0	4965
29	10.30.36	41	0	270	19	5	19	10	364	4377	4401	-24	4741	0	4741
30	10.15.51	42	18	297	18	6	16	21	417	4482	4484	-2	4899	0	4899
31	09.56.21	40	50	272	16	7	19	5	410	4106	4075	31	4516	0	4516

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	62.388	28.326
Pragati-I	163.266	1.499
Pragati-III (Bawana)	999.538	197.905
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	18.230	18.230
TOTAL DELHI GEN.	1243.421	245.960

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	103.803	98.176
RIHAND STPS	59.915	54.408
DADRI TPS	411.715	0.000
UNCHAHAHAR-I TPS	16.418	7.914
UNCHAHAHAR-II TPS	26.605	20.835
ANTA GPP-GF	33.752	0.000
ANTA GPP-LF	0.000	0.000
ANTA GPP-RF	0.000	0.003
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	54.664	0.000
AURAIYA GPP-LF	0.000	0.010
AURAIYA GPP-RF	0.000	0.031
AURAIYA CRF	0.000	0.000
DADRI GPP-GF	71.199	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.000
DADRI CRF	0.000	0.000
BAIRASIUL HEP	2.111	2.111
SALAL HEP	8.656	8.656
TANAKPUR HEP	2.516	2.516
CHAMERA HEP	3.881	3.881
URI HEP	7.716	7.716
NATHPA JHAKRI HEP	22.776	22.776
CHAMERA HEP-II	4.893	4.893
RIHAND-II STPS	94.258	87.951
DHAULIGANGA HEP	5.723	5.723
TEHRI HEP	17.858	17.858

NAME OF STATION	AVAILABILITY	SCHEDULE
UNCHAHAHAR-III TPS	20.845	15.802
DULHASTI HEP	10.263	10.263

DADRI II	0.000	345.704
SEWA-II	1.243	1.243
jhajjar	418.514	255.616
NAPP	32.758	32.758
RAPP C	35.433	35.433
RAPPB_4 C	0.000	0.000
KOTESWAR	9.371	9.371
SASAN	0.000	252.509
CHAMERA III	3.865	3.865
RIHAND3	98.806	92.111
KAHALGAON1	32.461	26.295
KAHALGAON2	76.633	60.867
TALA	0.882	0.882
FARAKA	8.007	8.007
URI 2 HEP	6.897	6.897
Parvati3	1.894	1.894
Koldam	0.145	0.145
SINGRAULI SHEP	0.509	0.509
UNCHA HAR - IV TPS	1.044	0.054
TALCHER (BTPS)	0.000	0.000
Nabinagar STPS(BRBCL)	0.101	10.348
ISGS	1708.131	1516.030
LTA	769.394	769.394
TOTAL (ISGS+LTA)	2477.524	2285.424
TOTAL AVAILABILITY	3720.945	2531.384
BILATERAL PURCHASE	177.910	177.910

8. SHEDDING DETAILS DURING THE MONTH OF DECEMBER 2022.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operated	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDDL	NDMC	TOTAL	BSES		TPDDL	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.12.22	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.22	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

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			BSES		TPDDL	NDM		
	BYPL	BRPL			BYPL	BRPL	TPDDL	BYPL	BRPL				
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.12.22	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
02.12.22	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
03.12.22	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
04.12.22	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
05.12.22	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
06.12.22	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
07.12.22	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
08.12.22	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
09.12.22	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
10.12.22	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
11.12.22	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
12.12.22	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
13.12.22	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
14.12.22	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
15.12.22	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
16.12.22	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
17.12.22	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
18.12.22	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
19.12.22	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
20.12.22	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
21.12.22	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
22.12.22	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
23.12.22	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
24.12.22	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
25.12.22	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
26.12.22	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
27.12.22	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
28.12.22	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
29.12.22	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
30.12.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.12.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Date	DUE TO T&D CONSTRAINTS IN DELHI SYSTEM	
	DTL	DISCOMS

ALL
FIGURES
IN MUS

	BSES		TPDDL	NDMC	MES	BSES		TPDDL	NDMC
	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0160	0.0000
02.12.22	0.0000	0.0000	0.0107	0.0000	0.0000	0.0000	0.0000	0.0177	0.0000
03.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05.12.22	0.0000	0.0000	0.0037	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
06.12.22	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000	0.0000
08.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
09.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0050	0.0000
11.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12.12.22	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.12.22	0.0029	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
17.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
18.12.22	0.0000	0.0000	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19.12.22	0.0000	0.0000	0.0492	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
20.12.22	0.0091	0.0051	0.0031	0.0000	0.0000	0.0000	0.0020	0.3867	0.0000
21.12.22	0.0000	0.0000	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22.12.22	0.0000	0.0000	0.0648	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23.12.22	0.0000	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776	0.0000
24.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0795	0.0000
25.12.22	0.0000	0.0000	0.0023	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
26.12.22	0.0000	0.0185	0.0063	0.0000	0.0000	0.0000	0.0000	0.1871	0.0000
27.12.22	0.0000	0.0000	0.0032	0.0000	0.0000	0.0000	0.0000	0.0225	0.0000
28.12.22	0.0000	0.0000	0.0008	0.0000	0.0000	0.0000	0.0125	0.0070	0.0000
29.12.22	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30.12.22	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0130	0.0612	0.1504	0.0000	0.0000	0.0000	0.0153	0.8004	0.0000

DATE	OTHER AGENCIES LIKE GENCO, BBMB, BTPS ETC.				THEFT PRONE SHEDDING			TOTAL SHEDDING DUE TO T&D CONSTS. & THEFT PRONE	GRAND TOTAL
	BSES		TPDDL	NDMC	BSES		TPDDL		
	BYPL	BRPL			BYPL	BRPL			
1	35	36	37	38	39	40	41	42= 26 to 41	43 = 25 + 42
01.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0160	0.0160
02.12.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0283	0.0283

03.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0038	0.0038
06.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013
07.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008
08.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
09.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0050	0.0050
11.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0360	0.0360
13.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0031	0.0031
16.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003
17.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
18.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021
19.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0497	0.0497
20.12.22	0.0000	0.0000	0.001 1	0.0000	0.0000	0.0000	0.0000	0.4071	0.4071
21.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0030	0.0030
22.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0648	0.0648
23.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0790	0.0790
24.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0795	0.0795
25.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023
26.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.2119	0.2119
27.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0256	0.0256
28.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0203	0.0203
29.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
30.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010
31.12.22	0.0000	0.0000	0.000 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.0000	0.0000	0.001 1	0.0000	0.0000	0.0000	0.0000	1.0415	1.0415

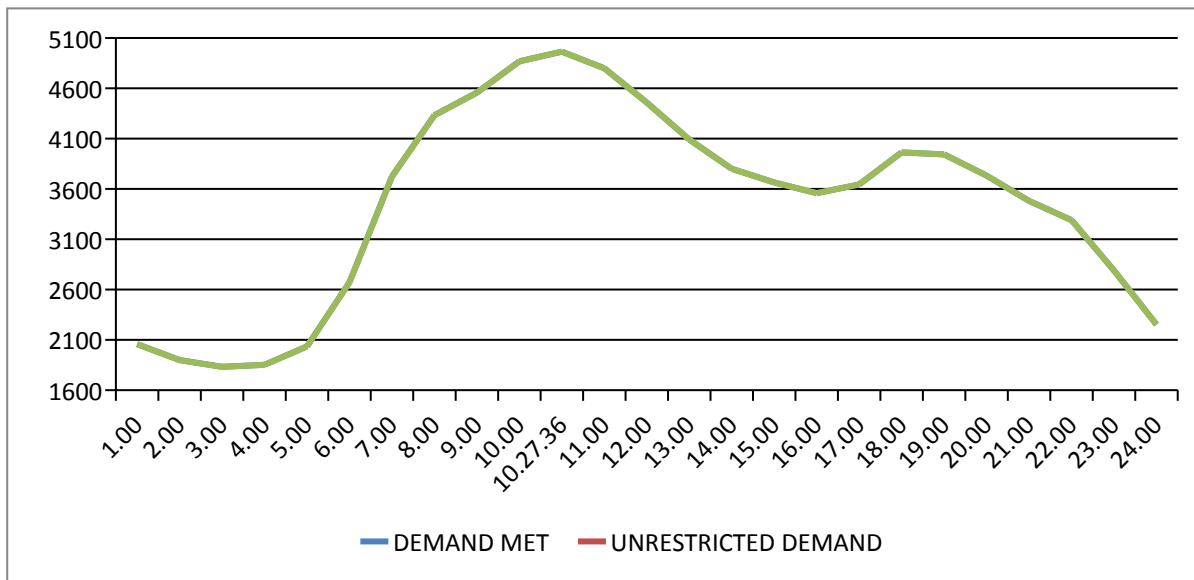
DATE	(NET CONS.)	MAXI. DEMAND MET DURING THE DAY	TIME OF OCCUR- RENCE OF MAX DEMAND	SHEDDING AT THIS TIME	UN-REST- RICTED DEMAND	MAXIMUM UN-REST- RICTED DEMAND DURING THE DAY	TIME OF MAX. UN-REST. DEMAND	DEMAN D AT THAT TIME	SHEDDIN G AT THAT TIME
	In Mus.	IN MW	IN HRS.	IN MW	IN MW	IN MW	HRS.	IN MW	IN MW
1	32	33	34	35	36=33+35	37=39+40	38	39	40
01.12.22	66.902	3732	10:22:38	0	3732	3732	10:22:3	3732	0

							8		
02.12.22	68.009	3899	10:27:33	0	3899	3899	10:27:33	3899	0
03.12.22	65.753	3722	10:36:40	0	3722	3722	10:36:40	3722	0
04.12.22	59.142	3389	10:53:44	0	3389	3389	10:53:44	3389	0
05.12.22	65.245	3731	10:32:04	0	3731	3731	10:32:04	3731	0
06.12.22	67.109	3788	10:00:12	0	3788	3788	10:00:12	3788	0
07.12.22	70.730	3900	10:01:07	0	3900	3900	10:01:07	3900	0
08.12.22	67.127	3755	9:41:00	0	3755	3755	9:41:00	3755	0
09.12.22	69.397	4035	10:46:51	0	4035	4035	10:46:51	4035	0
10.12.22	65.566	3835	10:26:25	9	3844	3844	10:26:25	3835	9
11.12.22	63.002	3973	11:06:34	0	3973	3973	11:06:34	3973	0
12.12.22	67.919	3858	9:45:33	0	3858	3858	9:45:33	3858	0
13.12.22	67.692	3891	9:57:04	0	3891	3891	9:57:04	3891	0
14.12.22	68.914	3988	9:55:30	0	3988	3988	9:55:30	3988	0
15.12.22	67.513	3914	9:48:44	0	3914	3914	9:48:44	3914	0
16.12.22	70.011	4178	10:28:23	0	4178	4178	10:28:23	4178	0
17.12.22	67.559	3939	10:09:27	0	3939	3939	10:09:27	3939	0
18.12.22	66.864	4095	10:48:19	0	4095	4095	10:48:19	4095	0
19.12.22	67.331	4082	9:58:45	0	4082	4082	9:58:45	4082	0
20.12.22	70.223	4110	9:58:47	0	4110	4110	9:58:47	4110	0
21.12.22	73.062	4268	10:00:02	0	4268	4268	10:00:02	4268	0
22.12.22	73.757	4354	10:21:09	0	4354	4354	10:21:09	4354	0
23.12.22	75.990	4658	10:28:59	0	4658	4658	10:28:59	4658	0
24.12.22	74.117	4374	10:02:51	0	4374	4374	10:02:51	4374	0
25.12.22	72.764	4547	11:20:13	0	4547	4547	11:20:13	4547	0
26.12.22	78.223	4803	10:22:23	36	4839	4839	10:22:23	4803	36
27.12.22	80.133	4906	11:21:25	0	4906	4906	11:21:25	4906	0
28.12.22	81.248	4964	10:27:36	0	4964	4964	10:27:36	4964	0
29.12.22	79.058	4741	10:30:36	0	4741	4741	10:30:36	4741	0
30.12.22	78.692	4899	10:15:51	0	4899	4899	10:15:51	4899	0
31.12.22	75.484	4516	9:56:21	0	4516	4516	9:56:21	4516	0
TOTAL	2184.536	4964	10:27:36	0		4964	10:27:36		0
		28.12.22							

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING DECEMBER 2022 ON 28.12.2022 - 4964MW AT 10.27.36HRS.**

All figures in MW

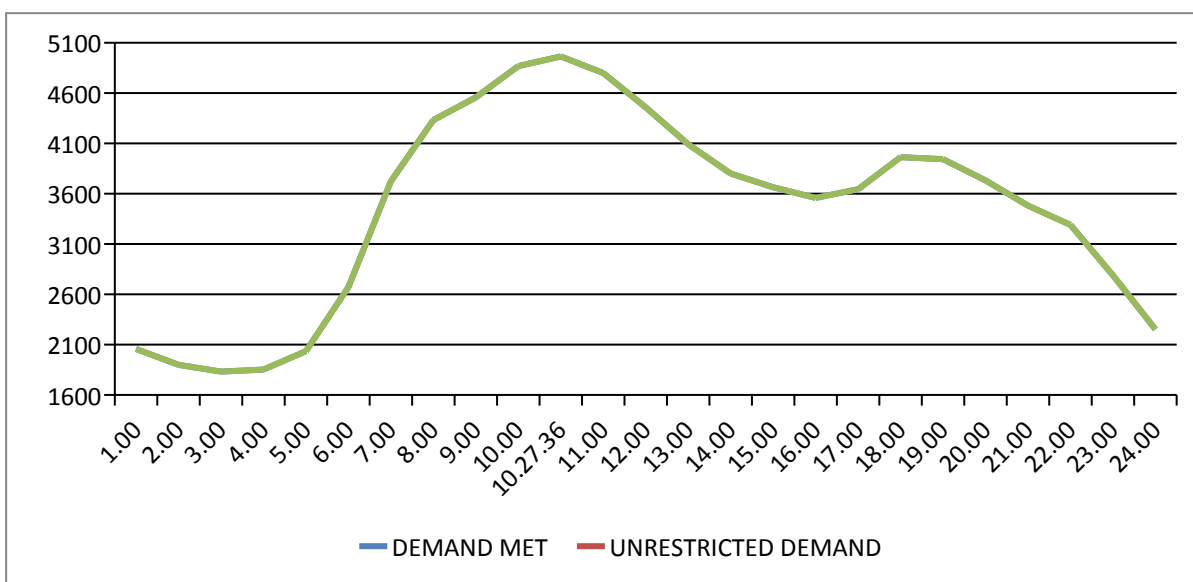
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2057	0	2057
2.00	1899	0	1899
3.00	1832	0	1832
4.00	1852	0	1852
5.00	2035	0	2035
6.00	2672	0	2672
7.00	3723	1.5	3724.5
8.00	4332	0	4332
9.00	4557	0	4557
10.00	4868	0	4868
10.27.36	4964	0	4964
11.00	4799	0	4799
12.00	4458	0	4458
13.00	4091	0	4091
14.00	3800	0	3800
15.00	3664	0	3664
16.00	3558	0	3558
17.00	3644	0	3644
18.00	3963	0	3963
19.00	3943	0	3943
20.00	3732	0	3732
21.00	3481	0	3481
22.00	3290	0	3290
23.00	2789	0	2789
24.00	2252	0	2252
Total (IN MUS)	81.248	0.020	81.268



10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING DECEMBER 2022 ON 28.12.2022-4965MW AT 10.27.36HRS.

All figures in MW

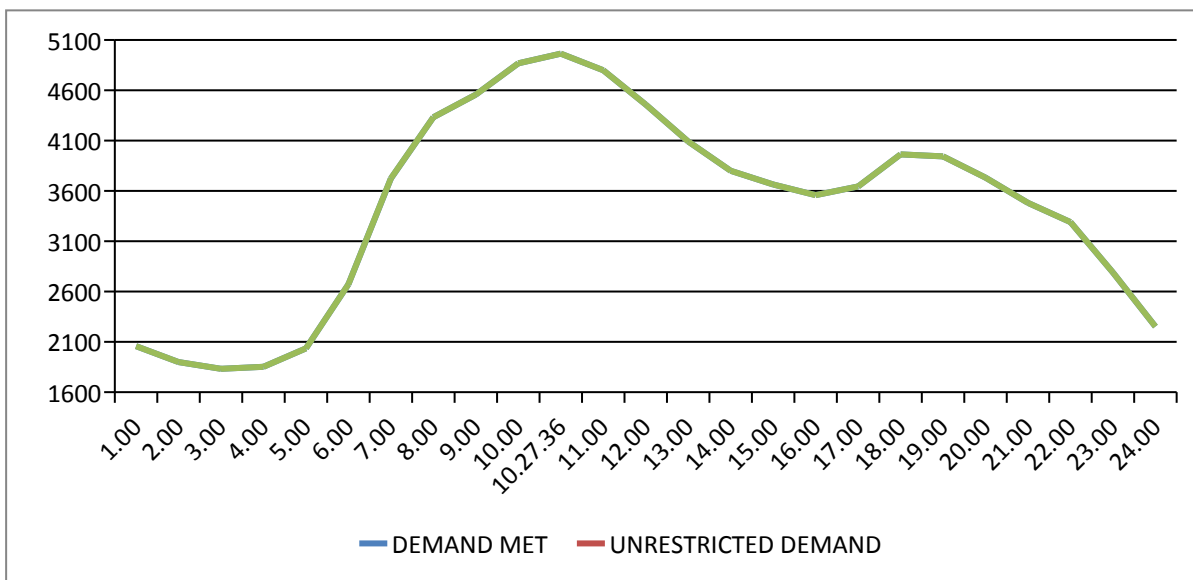
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2057	0	2057
2.00	1899	0	1899
3.00	1832	0	1832
4.00	1852	0	1852
5.00	2035	0	2035
6.00	2672	0	2672
7.00	3723	1.5	3724.5
8.00	4332	0	4332
9.00	4557	0	4557
10.00	4868	0	4868
10.27.36	4964	0	4964
11.00	4799	0	4799
12.00	4458	0	4458
13.00	4091	0	4091
14.00	3800	0	3800
15.00	3664	0	3664
16.00	3558	0	3558
17.00	3644	0	3644
18.00	3963	0	3963
19.00	3943	0	3943
20.00	3732	0	3732
21.00	3481	0	3481
22.00	3290	0	3290
23.00	2789	0	2789
24.00	2252	0	2252
Total (IN MUS)	81.248	0.020	81.268



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING DECEMBER 2022 – 28.12.2022 – 81.248Mus

All figures in MW

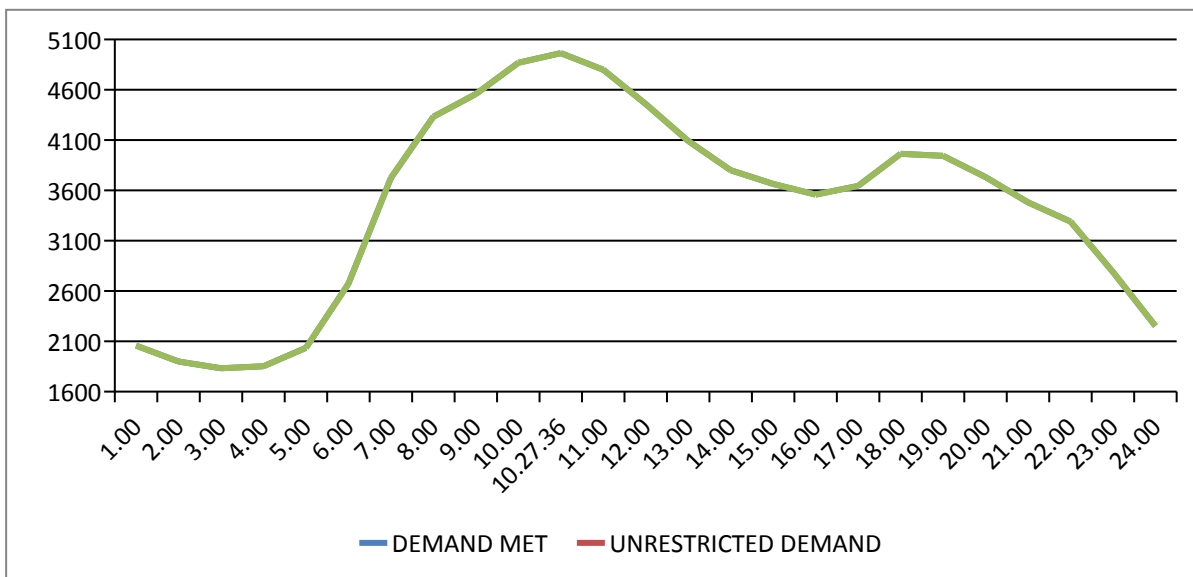
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2057	0	2057
2.00	1899	0	1899
3.00	1832	0	1832
4.00	1852	0	1852
5.00	2035	0	2035
6.00	2672	0	2672
7.00	3723	1.5	3724.5
8.00	4332	0	4332
9.00	4557	0	4557
10.00	4868	0	4868
10.27.36	4964	0	4964
11.00	4799	0	4799
12.00	4458	0	4458
13.00	4091	0	4091
14.00	3800	0	3800
15.00	3664	0	3664
16.00	3558	0	3558
17.00	3644	0	3644
18.00	3963	0	3963
19.00	3943	0	3943
20.00	3732	0	3732
21.00	3481	0	3481
22.00	3290	0	3290
23.00	2789	0	2789
24.00	2252	0	2252
Total (IN MUS)	81.248	0.020	81.268



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING DECEMBER 2022 - ON 28.11.2022- 81.268MUs

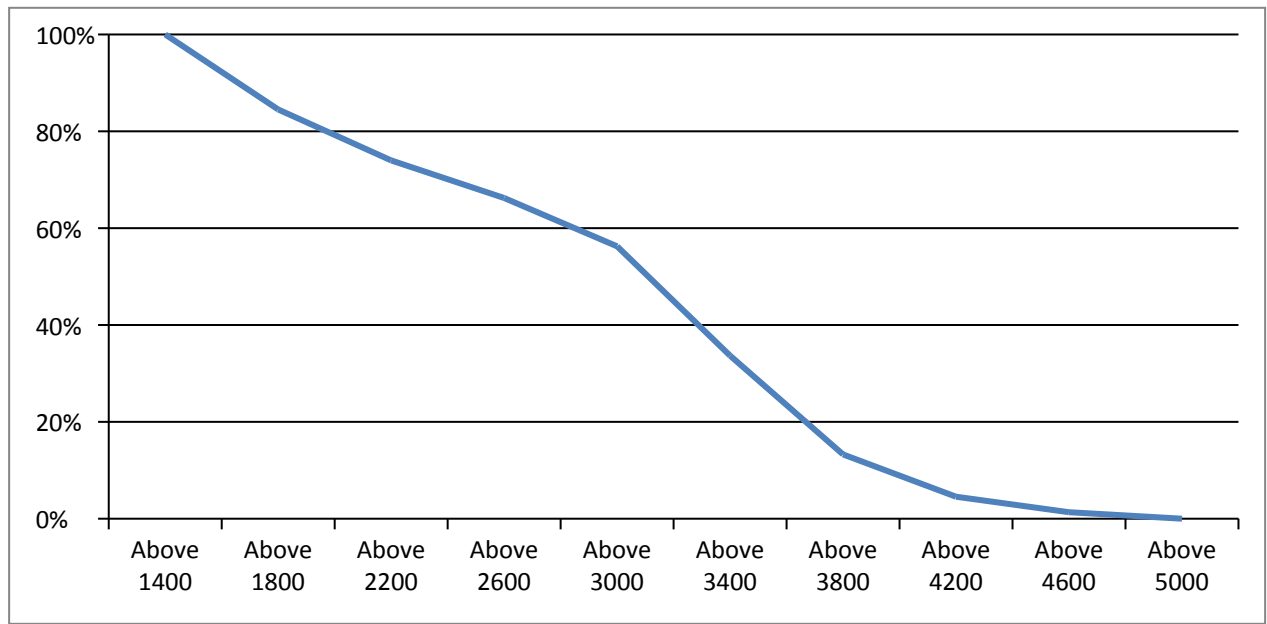
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	2057	0	2057
2.00	1899	0	1899
3.00	1832	0	1832
4.00	1852	0	1852
5.00	2035	0	2035
6.00	2672	0	2672
7.00	3723	1.5	3724.5
8.00	4332	0	4332
9.00	4557	0	4557
10.00	4868	0	4868
10.27.36	4964	0	4964
11.00	4799	0	4799
12.00	4458	0	4458
13.00	4091	0	4091
14.00	3800	0	3800
15.00	3664	0	3664
16.00	3558	0	3558
17.00	3644	0	3644
18.00	3963	0	3963
19.00	3943	0	3943
20.00	3732	0	3732
21.00	3481	0	3481
22.00	3290	0	3290
23.00	2789	0	2789
24.00	2252	0	2252
Total (IN MUS)	81.248	0.020	81.268



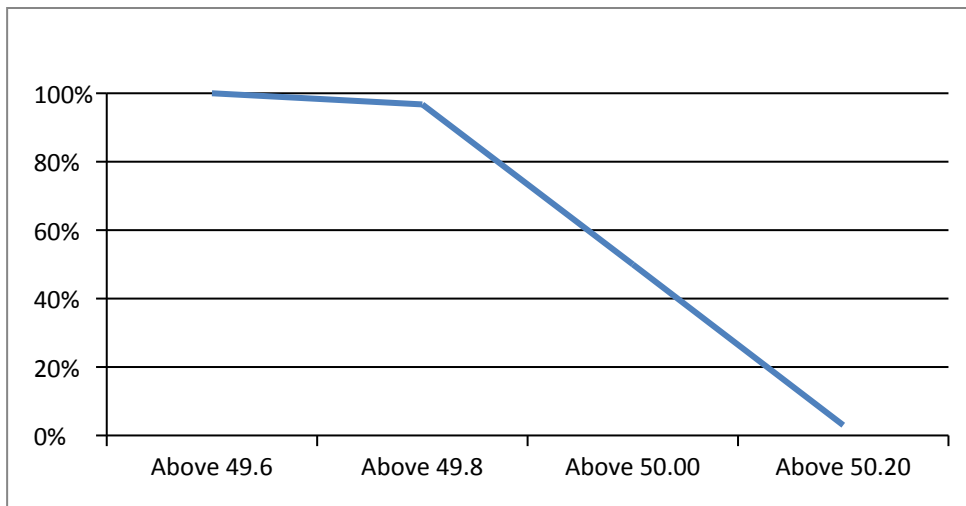
13 LOAD DURATION CURVE FOR DECEMBER 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 1400	100%
Above 1800	84.51%
Above 2200	73.99%
Above 2600	66.23%
Above 3000	56.25%
Above 3400	33.67%
Above 3800	13.27%
Above 4200	4.54%
Above 4600	1.34%
Above 5000	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF DECEMBER 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
Above 49.6	100%
Above 49.8	96.74%
Above 50.00	50.00%
Above 50.20	3.00%



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.12.22	233.02	217.74	237.76	223.24
02.12.22	232.82	217.31	234.58	217.13
03.12.22	233.24	219.8	235.26	220.21
04.12.22	233.28	221.03	236.62	225.01
05.12.22	233.82	220.18	237.15	225.12
06.12.22	233.48	219.51	237.36	225.5
07.12.22	233.05	219.27	235.65	225
08.12.22	233.95	220.06	237.54	222.55
09.12.22	233.51	217.54	236.22	221.89
10.12.22	233.48	217.15	237.38	223.08
11.12.22	232.43	220.48	237.87	225.17
12.12.22	232.74	217.87	236.96	222.72
13.12.22	233.12	218.01	236.62	222.79
14.12.22	233.16	218.69	236.97	224.11
15.12.22	232.62	217.59	234.55	219.79
16.12.22	231.65	216.59	233.69	220.9
17.12.22	231.32	218.3	232.36	218.37
18.12.22	231.66	218.89	233.92	221.05
19.12.22	233.25	217.97	234.9	220.91
20.12.22	233.1	216.7	236.96	222.06
21.12.22	232.71	219.28	235.68	224.38
22.12.22	233.82	218.8	236.47	225.11
23.12.22	233.07	215.96	235.52	221.26
24.12.22	233.17	215.88	235.92	220.1
25.12.22	232.9	209.96	235.73	223.34
26.12.22	234.91	214.39	236.79	217.68
27.12.22	232.75	215.6	235.22	220.55
28.12.22	231.54	215.28	234.14	217.84
29.12.22	232.02	218.03	234.59	222.06
30.12.22	232.86	217.45	235.98	220.03
31.12.22	233.22	218.34	235.84	221.57

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.12.22	423.62	3:34:45	397.86	10:08:06	413.78
02.12.22	423.11	20:14:36	398.02	10:36:53	412.81
03.12.22	421.56	4:02:19	399.03	9:35:18	413.92
04.12.22	424.31	2:47:07	404.81	8:08:14	416.22
05.12.22	427.16	3:12:37	403.17	10:21:58	415.17
06.12.22	424.91	2:03:23	402.71	9:42:36	414.55
07.12.22	423.59	4:02:19	399.15	10:51:48	414.55
08.12.22	426.17	4:01:04	401.92	11:09:03	415.11
09.12.22	425.9	4:02:06	399.04	9:44:10	414.73
10.12.22	424.59	4:00:56	396.18	9:16:57	414.86
11.12.22	424.5	17:02:20	403.34	9:17:11	415.68
12.12.22	424.23	0:01:44	399	9:09:07	413.57
13.12.22	424.79	4:02:25	398.23	9:14:53	414.4
14.12.22	425.05	2:11:08	401.35	9:30:52	414.19
15.12.22	423.88	3:03:26	397.34	9:08:27	414.06
16.12.22	423.54	17:02:26	395.23	9:39:54	413.09
17.12.22	424.33	4:01:40	389.23	11:12:42	413.17
18.12.22	424.77	16:02:28	401.43	10:40:42	415.77
19.12.22	424.7	3:02:48	399.03	9:30:49	412.6
20.12.22	423.71	22:00:45	397.02	9:30:27	411.85
21.12.22	422.18	4:00:45	397.34	7:37:46	411.77
22.12.22	424.04	4:01:50	401.33	9:23:19	412.74
23.12.22	422.6	4:00:58	394.8	10:08:17	411.65
24.12.22	424	4:00:54	393.32	9:49:28	411.69
25.12.22	422.84	1:13:06	396.01	9:07:58	412.7
26.12.22	425.62	4:02:02	391.43	11:50:53	410.52
27.12.22	422.01	2:09:22	393.62	9:21:48	410.82
28.12.22	420.11	0:23:42	392.09	9:16:39	409.74
29.12.22	422.66	4:01:29	390.19	11:53:32	411.2
30.12.22	422.74	4:02:37	393.92	9:06:41	411.42
31.12.22	424.76	4:02:31	396.87	10:36:44	413.59

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.12.22	422.64	3:34:19	398.21	10:39:18	413.54
02.12.22	424.59	4:02:42	398.13	10:36:59	413.83
03.12.22	423.5	4:02:51	395.69	11:23:09	411.07
04.12.22	419.29	2:47:06	399.94	10:08:51	411.33
05.12.22	421.66	2:40:05	396.85	11:37:00	411.03
06.12.22	424.6	2:03:23	403.99	9:42:32	415
07.12.22	423.39	4:02:18	399.8	11:38:30	414.43
08.12.22	425.71	4:01:03	401.64	12:09:58	414.77
09.12.22	424.57	4:02:06	398.68	10:23:14	413.51
10.12.22	421.35	23:01:22	397.11	9:13:33	412.69
11.12.22	422.75	17:02:46	401.75	11:40:57	413.78
12.12.22	420.25	3:31:22	397.41	9:09:11	411.29
13.12.22	422.11	4:02:24	399.62	9:14:15	412.4
14.12.22	421.55	4:01:04	400.38	10:21:37	412.38
15.12.22	419.65	3:27:16	398	12:08:43	412
16.12.22	420.09	4:01:09	396.41	9:40:17	411.7
17.12.22	420.8	3:26:15	392.2	11:12:40	411.36
18.12.22	421.63	16:05:11	400.09	10:39:34	413.16
19.12.22	420.41	3:03:19	399.29	8:00:58	411.13
20.12.22	422.52	22:00:33	397.14	9:30:46	410.99
21.12.22	420.08	4:00:50	399.27	8:42:03	410.77
22.12.22	423.28	4:02:03	401.89	10:04:54	412.44
23.12.22	422.03	4:00:58	394.29	10:09:05	410.48
24.12.22	421.17	4:00:53	394.34	9:52:18	410.67
25.12.22	423.11	1:04:48	398.32	9:07:36	412.27
26.12.22	422.71	4:02:02	391.25	11:54:24	409.85
27.12.22	419.81	2:09:18	390.69	11:07:27	410
28.12.22	417.84	3:31:55	392.93	9:16:52	408.61
29.12.22	419.56	4:01:27	397.14	11:25:39	406.29
30.12.22	420.68	4:02:25	396.95	9:10:21	410.13
31.12.22	422.14	4:02:27	397.14	11:07:47	412.28

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

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	02.12.22	12:58	SHALIMAR BAGH 220/33kv 100MVA Tx-III	02.12.22	14:44	TRIPPED WITHOUT INDICATION.
2	02.12.22	12:59	220kv BAWANA-DSIIDC BAWANA CKT-I	03.12.22	13:30	AT DSIDC BAWANA : DIST PROT, ZONE-II, 86.
3	05.12.22	15:13	220kv GOPALPUR- MANDOLACKT-II	05.12.22	17:45	AT GOPALPUR : 86A, R PHASE TRIP.
4	06.12.22	17:30	220 KV I.P.- RPH CKT-I	06.12.22	18:20	AT RPH : 186
5	09.12.22	18:36	400kv Bawana-Mundka Ckt-II	09.12.22	20:28	AT BAWANA : 186A&B.
6	10.12.22	17:19	220kv Harsh Vihar - Preet Vihar Ckt-I	10.12.22	18:18	AT HARSH VIHAR : 86.
7	13.12.22	10:25	GOPALPUR 33/11kv, 16MVA Tx-I	13.12.22	11:20	DIFFERENTIAL, O/C, E/F.
8	13.12.22	13:11	220kv PRAGATI - SARITA VIHAR CKT - I	13.12.22	18:19	AT SARITA VIHAR : DIST PROT, DIST 7.85KM, O/C, E/F.
9	15.12.22	6:07	VASANT KUNJ 66/11kv, 20MVA Tx-II	15.12.22	11:56	OLTC, OSR.
10	15.12.22	7:52	220kv PRAGATI - PARK STREET CKT-I	15.12.22	9:10	AT PRAGATI : O/C, R Phase, LINE DIFFERENTIAL, MONKEY ELETROCUTED.
11	18.12.22	23:48	220KVBAWANA- ROHINI CKT-II	19.12.22	0:53	At Bawana : Dist Prot, Zone-II, Dist 8.609Km., R phase. At Rohini-I : 86, RYB Phase
12	18.12.22	23:52	220kv WAZIRABAD - KASHMEREGATE CKT-I	19.12.22	0:23	At Wazirabad : Dist prot, Zone-I, B Phase, A/R. At Kashmiri Gate : 86A&B, Line differential, ABC relay.
13	19.12.22	0:52	220kv GOPALPUR- MANDOLACKT-I	19.12.22	12:12	At Gopalpur : Dist prot, BN Phase. At Mandola : Dist prot, Dist 11.78Km. Y Phase.
14	19.12.22	0:55	220kv DSIIDC BAWANA-NARELA CKT-II	19.12.22	3:58	At Narela : Dist prot, Zone-I, C Phase, 86.
15	19.12.22	1:07	220kv WAZIRABAD - KASHMEREGATE CKT-I	19.12.22	10:29	At Wazirabad : Dist prot, Zone-I, Dist 1.157Km, Y Phase trip, 86.
16	19.12.22	1:12	220kv ROHINI-SHALIMARBAGH CKT-I	19.12.22	10:35	At Rohini-I : Dist Prot, Zone-I, 86, C phase.
17	19.12.22	1:30	BAWANA 400/220kv 315MVA ICT-V	19.12.22	15:35	PRV, O/C, E/F, 220kv I/C tripped on 86.
18	19.12.22	2:08	220kv BAWANA - KANJHAWALA CKT-2	19.12.22	11:40	At Khanjawala : Dist prot, Zone-I, RYB Phase. At Bawana : Dist prot, Dist 8.559Km. R phase, Differential.
19	19.12.22	2:09	220kv BAWANA - KANJHAWALA CKT - 1	19.12.22	11:40	At Bawana : Dist prot, Zone-II & III, Dist 17.6Km.
20	19.12.22	2:09	220KVBAWANA- ROHINI CKT-I	19.12.22	9:10	At Bawana-I : Dist prot, Dist 3.606Km, Y phase, 86B
21	19.12.22	3:31	220KV BAWANA-SHALIMARBAGH CKT-I	19.12.22	4:22	At Bawana : Dist Prot, Zone-I, Y phase, Dist 8.992Km, 86ABC,
22	19.12.22	3:42	220kv ROHINI-SHALIMARBAGH CKT-II	19.12.22	10:41	At Shalimarbagh : Dist Prot, Zone-I, 86, 186, Y phase.
23	19.12.22	3:48	ROHINI 220/66kv 100MVA Tx-III	19.12.22	15:30	REF LV side, 86A&B.
24	19.12.22	3:58	220kv BAWANA-DSIIDC BAWANA CKT-II	19.12.22	12:28	At DSIDC Bawana : Dist prot, B Phase, 86, RYB. At Bawana : 86B.
25	19.12.22	3:59	220KV BAWANA-SHALIMARBAGH CKT-II	19.12.22	7:34	At Bawana : Dist Prot, Dist 10.25Km, B phase, differential, 86C. At Shalimarbagh : Dist prot, B Phase, 186, 86A&B.
26	19.12.22	4:29	220KV BAWANA-SHALIMARBAGH CKT-I	19.12.22	16:55	AT Bawana : Dist Prot, Zone –II, Y Phase, Differential, Dist 11.95Km.
27	19.12.22	4:44	220kv BAMNAULI-PAPPANKALAN-I CKT-II	19.12.22	15:14	At Bamnauli : Dist Prot, Zone-I, R Phase, 86ABC.
28	19.12.22	5:08	220kv MUNDKA-KANJHAWALA CKT	19.12.22	17:40	At Khanjawala : Dist prot, Zone-I, B phase,
29	19.12.22	5:37	220KV WAZIRABAD - MANDOLA CKT-II	19.12.22	12:40	At Wazirabad : Dist prot, Zone-I, Dist 3.155Km, 86ABC, Differential.
30	20.12.22	3:10	220kv BAMNAULI-PAPPANKALAN-I CKT-I	20.12.22	13:24	At Bamnauli :Dist Prot, Zone-II, Dist 6.959Km, Y Phase, 86ABC.
31	20.12.22	3:13	220kv BAMNAULI-PAPPANKALAN-I CKT-II	20.12.22	16:58	At Bamnauli :Dist Prot, Zone-I, Dist 6.424Km, B Phase, 86ABC.
32	20.12.22	3:19	220kv BAMNAULI-PAPPANKALAN-II CKT-I	20.12.22	13:15	At Bamnauli :Dist Prot, Zone-II, Dist 2.885Km, Y Phase At Papankalan-II : Dist Prot, Zone-I, Dist 3.8Km, 86ABC.
33	20.12.22	4:05	220kv GOPALPUR- MANDOLACKT-I	20.12.22	4:47	At Gopalpur, Dist Prot, Dist 4.09mts, Y Phase.
34	20.12.22	5:06	220kv MAHARANI BAGH - SARITA VIHAR CKT	20.12.22	5:34	At Maharani Bagh : Y Phase,
35	20.12.22	5:10	220kv PRAGATI - SARITA VIHAR CKT - I	20.12.22	15:19	At Sarita Vihar : Dist Prot, Zone-I, Dist 5.06Km., Y Phase At Pragati : Dist Prot, Zone-I, Dist 7.948Km.
36	20.12.22	5:27	220KV GOPALPUR- MANDOLACKT-I	20.12.22	11:53	At Gopalpur : Dist Prot, Dist 3.168Km, 86, RYB Phase.

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
37	20.12.22	5:31	220 KV PATPARGANJ - I.P. CKT-II	20.12.22	6:15	At Patparganj : Bus Bar prot operated
38	20.12.22	5:31	220kv GEETA COLONY- PATPARGANJ CKT -II	20.12.22	6:15	At Patparganj : Bus Bar prot operated
39	20.12.22	5:31	220kv GEETA COLONY- PATPARGANJ CKT-I	20.12.22	6:15	At Patparganj : Bus Bar prot operated
40	20.12.22	5:31	220 KV PATPARGANJ - I.P. CKT-I	20.12.22	6:15	At Patparganj : Bus Bar prot operated
41	20.12.22	5:45	220kv MAHARANI BAGH - SARITA VIHAR CKT	20.12.22	15:30	At Maharani Bagh : Dist Prot, Dist 4.3Km, B Phase
42	21.12.22	0:46	220kv PRAGATI - SARITA VIHAR CKT - I	21.12.22	5:51	At Sarita Vihar : Dist Prot, Zone-I, Dist 7.9Km, Y Phase, 186. At Pragati : Dist Prot, Zone-I, 86ABC, Dist 5.09Km.
43	21.12.22	1:07	220kv MAHARANI BAGH - SARITA VIHAR CKT	21.12.22	5:33	At Maharani Bagh : Dist Prot, Zone-I, Dist 7.2Km
44	21.12.22	2:10	GEETA COLONY 220/33kv 100MVA Tx-I	21.12.22	2:34	86
45	21.12.22	16:20	SUBZI MANDI 220/33kv 100MVA Tx-I	04.01.23	15:20	186
46	22.12.22	2:10	220kv MAHARANI BAGH - SARITA VIHAR CKT	22.12.22	18:08	AT MAHARANIBAGH : DIST PROT, ZONE-I, DIST 15.81KM.
47	22.12.22	5:45	NAJAFGARH 66/11kv, 20MVA Tx-I	22.12.22	18:58	DIFFERENTIAL.
48	22.12.22	9:54	BAWANA 400/220kv 315MVA ICT-I	22.12.22	10:38	220KV BUS BAR PROT. OPERATED.
49	22.12.22	9:56	220KVBAWANA- ROHINI CKT-I	22.12.22	10:54	AT BAWANA : 220KV BUS BAR PROT. OPERATED.
50	22.12.22	9:56	220KV BAWANA-SHALIMARBAGH CKT-I	22.12.22	10:53	AT BAWANA : 220KV BUS BAR PROT. OPERATED.
51	22.12.22	10:27	220KVBAWANA- ROHINI CKT-II	22.12.22	10:54	AT BAWANA : SPARKING ON LINE ISOALTOR.
52	23.12.22	4:12	220kv PRAGATI - SARITA VIHAR CKT - I	23.12.22	17:05	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 2.872, Y PHASE.
53	23.12.22	4:12	220kv MAHARANI BAGH - LODHI ROAD CKT-I	23.12.22	9:49	AT LODHI ROAD : DIST PROT, B PHASE, E/F.
54	24.12.22	6:01	PATPARGANJ 220/33kv 100MVA Tx-III	24.12.22	7:00	86
55	24.12.22	6:01	PATPARGANJ 220/33kv 100MVA Tx-I	24.12.22	6:28	E/F
56	25.12.22	14:14	PAPPANKALAN-II 220/66kv 160MVA Tx-III	25.12.22	16:28	86
57	25.12.22	15:06	220kv GOPALPUR- MANDOLACKT-I	25.12.22	16:23	AT MANDOLA : RY PHASE, DIST PROT, DIST 19.1KM.
58	26.12.22	9:05	MEHRAULI 220/66kv 100MVA Tx-I	26.12.22	9:22	O/C, B Phase.
59	26.12.22	9:05	MEHRAULI 220/66kv 100MVA Tx-III	26.12.22	9:22	O/C
60	26.12.22	16:20	SUBZI MANDI 220/33kv 100MVA Tx-II	26.12.22	17:30	TRIPPED ON HVCB & LVCB OPEN.
61	27.12.22	5:25	SHALIMAR BAGH 220/33kv 100MVA Tx-III	27.12.22	16:05	TR. TRIPPED ON LOW OIL ALARM, I/C TRIPPED ON 86.
62	27.12.22	5:25	220kv SHALIMAR BAGH - DMRC CKT-1	27.12.22	16:05	AT SHALIMARBAGH : DIST PROT., BUS BAR INTER TRIP, SOTF TRIP.
63	27.12.22	12:20	SUBZI MANDI 220/33kv 100MVA Tx-II	27.12.22	12:40	TR TRIPPED WITHOUT INDICATION, I/C TRIP ON HV CB OPEN & LV CB OPEN.
64	28.12.22	1:14	220kv NARAINA-RIDGE VALLEY CKT-I	28.12.22	2:40	AT RIDGE VALLEY : 86 A & B.
65	28.12.22	9:03	TUGHLAKABAD 220/66kv 160MVA Tr. -II	28.12.22	13:05	PRV TRIP, GEN TRIP, I/C TRIPPED ON E/F.
66	29.12.22	11:57	GAZIPUR 220/66kv 160MVA TR. -II	29.12.22	12:13	I/C TRIPPED ON O/C, Y PHASE, 86.
67	29.12.22	11:57	GAZIPUR 220/66kv 100MVA Tx-I	29.12.22	12:13	I/C TRIPPED ON O/C, Y PHASE, 86.
68	30.12.22	10:25	GAZIPUR 220/66kv 160MVA TR. -II	30.12.22	10:35	66kv I/C tripped on O/C, E/F, RYB Phase, Gen trip, 86
69	30.12.22	10:25	GAZIPUR 220/66kv 160MVA Tx-I	30.12.22	10:35	I/C TRIPPED WITHOUT INDICATION
70	30.12.22	10:25	GAZIPUR 220/66kv 100MVA Tx-I	30.12.22	10:35	I/C TRIPPED ON E/F, O/C Y PHASE, 86.

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

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