

DELHI TRANSCO LTD.

STATE LOAD DISPATCH CENTER

PROGRESS REPORT

AUGUST 2022

S. No.	CONTENTS	Page No.
1.	Salient Features of Delhi Power System	3
2.	Performance of Generating Stations within Delhi	4
3.	Details of Outage of Generating Stations within Delhi	5-6
4.	Allocation of Power to Delhi Discoms from of various generating stations	7-10
5.	Power Availability Demand Position of Delhi at the time of occurrence of Peak Demand	11
6.	Power Availability Demand Position of Delhi at the time of occurrence of Maximum Un-Restricted Demand	12
7.	Source wise scheduled drawl from grid and Availability within Delhi	13-14
8.	Shedding Details	15-19
9.	Load Curve for the Day of Peak Demand	20
10.	Load Curve for the day of occurrence of Maximum Un-Restricted Demand	21
11.	Load Curve for the day of Maximum Energy Consumed	22
12.	Load Curve for the day of Maximum Un-Restricted Energy Demand	23
13.	Load Duration Curve	24
14.	Frequency Analysis	25
15.	Voltage Profile for significant 220kV Sub-Stations	26
16.	Voltage Profile for significant 400kV Sub-Stations	27-28
17.	Tripping Details of 400/220 KV System in Delhi Power System	29-31
18.	Details of Under frequency Relay operations in Delhi Power System	32

SALIENT FEATURES OF DELHI POWER SYSTEM

Sr. No	Features	AUG. 2021	AUG. 2022
1	Effective Generation Capacity within Delhi in MW		
	Rajghat Power House	135	135
	Gas Turbine	270	270
	Pragati Power Corporation Ltd.	330	330
	Bawana CCGT	1371	1371
	TOWMCL (Waste to Energy Plant)	16	16
	EDWPCL (Waste to Energy Plant)	10	10
	DMSWL (Waste to Energy Plant)	24	24
	Total	2156	2156
2	Maximum Unrestricted Demand (MW)	6550	6446
	Date	17.08.21	10.08.2022
	Time	23.00.50	23.26.35
3	Peak Demand met (MW)	6550	6446
	Date	17.08.2021	10.08.2022
	Time	23.00.50	23.26.35
4	Peak Availability (MW)	6502	6183
5	Shortage (-) / Surplus (+) in MW	(-) 48	(-) 263
6	Percentage Shortage (-) / Surplus (+)	(-) 0.73	(-) 4.08
7	Maximum Energy Consumed in a day (Mus)	137.425	131.747
8	Energy Consumed during the month	3544.531	3699.366
9	Load Shedding in Mus		
A)	Due to Grid Restrictions		
i)	Under Frequency Relay Operations	0.000	0.000
ii)	Manual Load shedding from DTL S/Stns.	0.000	0.000
iii)	Load Shedding due to low frequency / Low Voltage / TTC/ATC Violation		
	TPDDL	0.000	0.000
	BRPL	0.000	0.000
	BYPL	0.000	0.000
	NDMC	0.000	0.000
	MES	0.000	0.000
iv)	Due to transmission Constraints in Central Sector	0.000	0.000
	Total due to Grid Restriction	0.000	0.000
B)	Due to Constraints in System in Mus		
	DTL	0.193	0.545
	TPDDL	0.140	0.041
	BRPL	0.120	0.001
	BYPL	0.106	0.054
	NDMC	0.000	0.000
	MES	0.000	0.000
	Other Agencies	0.022	0.0002
	Total	0.582	0.641
10	Grand Total in Mus	0.582	0.641

2. PERFORMANCE OF GENERATING STATIONS WITHIN DELHI DURING AUGUST 2022

A) For the month of Aug 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	28.707	2.221	26.486	13.41	35.783
3.	PPCL	115.347	2.690	112.657	47.57	119.922
4.	Bawana	220.699	8.774	211.925	21.22	713.916
5.	Towmcl	14.488	2.106	12.382	--	--
6.	EDWPCL	2.391	0.615	1.776	--	--
7.	DMSWL	14.400	3.023	11.377	--	--
	TOTAL	396.032	19.553	376.479	--	869.621

B) For the Year 2022-23 (Upto Aug 2022)

Power Station	Effective Capacity (MW)	Net Generation in MUs for Aug 2022	Availability (%) for Aug 2022	PLF (%) For Aug 2022	Cumulative Generation in MUs upto Aug 2022 for the year 2022-23	Cumulative Availability in % upto Aug 2022 for the year 2022-23
RPH	135	-0.124	--	--	-0.612	--
GT	270	26.486	31.78	13.41	132.783	31.27
PPCL	330	112.657	97.93	47.57	665.027	95.26
Bawana	1372	211.925	93.24	21.22	1283.105	93.07
Towmcl	16	12.382	--	--	58.857	--
EDWPCL	10	1.776	--	--	2.602	--
DMSWL	24	11.377	--	--	57.211	--
TOTAL	2936	376.479	--	--	2198.969	--

3 DETAILS OF OUTAGES OF GENERATING STNS. WITHIN DELHI FOR AUGUST-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	10.08.22	16.46	31.08.22	23.59	Unit under shutdown due to low demand
2	30	NIL				
3	30	NIL				
4	30	NIL				
5	30	NIL				
6	30	01.08.22	00.00	10.08.22	08.35	Unit under shutdown due to low demand
STG-1	30	10.08.22	16.46	31.08.22	23.59	Unit under shutdown due to low demand
STG-2	30	NIL				
STG-3	30	01.08.22	00.00	10.08.22	15.58	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	01.08.22	00.00	31.08.22	23.59	Unit stopped due to low demand.
2	104	09.08.22	10.49	09.08.22	11.55	Unit tripped due to grid disturbance
STG	122	09.08.22	10.49	09.08.22	12.46	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	NIL				
3	216	NIL				
4	216	NIL				
STG -1	254	NIL				
STG -2	254	24.08.22	00.00	25.08.22	00.00	DC of STG#2 taken out due to problem in operation of IPCV-1 valve.
		26.08.22	15.00	26.08.22	17.00	STG#2 stopped due to high vibration.

4 ALLOCATION OF POWER TO DISCOMS

A) ALLOCATION OF DELHI AND DISCOMS (IN MW) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						NR
				BRPL	BYPL	TPDDL	NDM C	ME S	RPH	
GAS TURBINE	270	100	270	164.39	23.13	81.48	0.00	0.00	1.00	
PRAGATI	330	100	330	93	53	64	100	20		
BAWANA CCGT	1371	80	1097	427	247	298	100	25		
EDWPCL(WEP)	12	49	6	0	5.9	0	0	0		
Bawana(WEP)	24	100	24	10	6	7	1	0		
TOWMCL(WEP)Exbus	13	97.15	12.63	6.5	0	6.1	0			
TOTAL	2020		1739.3	701.1	334.6	456.4	201.3	45.0	1.00	0.0
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	30	74	46	0	0		
Rihand Stage-I	1000	10.00	100.00	69	0	31	0	0		
Rihand Stage -II	1000	12.60	126.00	55	32	39	0	0		
Rihand Stage-III	1000	13.19	131.91	78	54	0	0	0		
ANTA GPS	419	10.50	44.00	19	11	13	0	0		
Auriya GPS	663.36	10.86	72.04	32	18	22	0	0		
Dadri GPS	829.78	10.96	90.94	40	23	28	0	0		
Dadri (Th)-I	840	90.00	756.00	559	62	10	125	0		
Dadri (Th) -II	980	74.24	727.53	543	175	10	0	0		
Unchahaar-I TPS	420	5.71	23.98	11	6	7	0	0		
Unchahaar-II TPS	420	11.19	47.00	21	12	14	0	0		
Unchahaar-III TPS	210	13.81	29.00	13	7	9	0	0		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	10	69	614	0	0		
Farakka(From ER)	1600	1.39	22.24	10	6	7	0	0		
Kahalgaoon-I(From ER)	840	6.07	50.99	22	13	16	0	0		
Kahalgaoon-II(From ER)	1500	10.49	157.35	69	40	48	0	0		
TOTAL NTPC	15722		3221.98	1581	602	914	125	0	0	0
<u>NHPC (HYDRO)</u>										
Baira Suil HPS	180	11.00	19.80	8.7	5.0	6.1	0	0		
Salal HPS	690	11.62	80.18	59.8	20.4	0	0	0		
Tanakpur HEP	94	12.81	12.07	5.30	3.07	3.70	0	0		
Chamera HEP	540	7.90	42.66	18.7	10.8	13.1	0	0		
Chamera-II HEP	300	13.33	39.99	17.6	10.2	12.3	0	0		
Chamera-III HEP	231	12.73	29.42	12.9	7.5	9.0	0	0		
URI-I HEP	480	11.04	52.99	23.3	13.5	16.3	0	0		
URI -II HEP	240	13.45	32.28	14.2	8.2	9.9	0	0		
Sewa HEP	120	13.33	16.00	7.02	4.06	4.91	0	0		
Dhaulti Ganga HEP	280	13.21	36.99	16.2	9.4	11.3	0	0		
Dulhasti HEP	390	12.83	50.04	22.0	12.7	15.4	0	0		
Parbati-III HEP	520	12.73	66.20	29.1	16.8	20.3	0	0		
Total NHPC	4065		478.61	234.81	121.6	122	0	0	0	0

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN MW						
				BRPL	BYPL	TPDDL	NDM C	ME S	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	62	36	44	0	0		
Tehri Hydro	1000	6.30	63.00	44	0	19	0	0		
Koteshwar HEP	400	9.86	39.44	27	0	12	0	0		
Total THDC	1400		102.44	71.01	0	31.4	0	0	0	0
Singrauli Hyd	8	19.13	1.53	0	0	1.53				
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	33	0	14	0	0		
RAPP (C)	440	12.69	55.84	25	14	17	0	0		
TOTAL NPC	880		102.83	57	14	32	0	0	0	0
<u>Allocation from ER</u>										
Tala HEP	1020	2.94	29.99	13	8	9	0	0		
SASAN	3960	11.25	445.50	66.08	311.08	68.34	0	0		
DVC(CTPS7 &8)			300.00	131.00	82.00	83.76				
DVC(Mejia6)			100.00	44	25	31	0	0		
TOTAL	4980		875.49	254	426	192	0	0	0	0
<u>Allocation from Long term Bilateral</u>										
CLP Jhajjar(Th)	1320		124.00			124				
Mejia-7(Th)	500		119.00		119					
Methan(Th)	1050		281.25			281				
Surya Kanta(Hyd)			14.00			14				
Nanti Hydro			11.45			11				
Tutikoren(LT-61)			50.00	50						
SECI			60.00	20	20	20				
RUMS - DMRC			99.00	47.5	26.3	25.2				
Sun Edision (From 18.11.2019)			90.00			90				
Teranda (HYD)(From 08.1.2020)			12.65			12.65				
BRBCL (From 15.01.2020)			5.00							5
JIPTL			9.46							9.46
TOTAL	2870		875.81	117	166	579	0	0	0	14.4
Total in MW	33445		7540	3078	1700	2371	326	45	1	14.4
										6

B) ALLOCATION OF DELHI AND DISCOMS (IN %AGE) FROM VARIOUS CENTRAL SECTOR, STATE SECTOR GENERATING STATIONS ALONG WITH LTAs w.e.f. 01.05.2020

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDD L	NDMC	ME S	RPH	NR
STATE GENERATING STATIONS										
GAS TURBINE	270	100	270	60.89	8.57	30.18	0.00	0.00	0.37	
PRAGATI	330	100	330	28.29	16.07	19.28	30.30	6.06		
BAWANA CCGT	1371	80	1097	38.91	22.50	27.19	9.13	2.28		
EDWPCL(WEP)	12	49	6	0.00	100.00	0.00	0.00	0.00		
Bawana(WEP)	24	100	24	41.81	23.90	29.20	5.09	0.00		
TOWMCL(WEP)	13	97	12.63	50.00	0.00	47.15	0.00	0.00	0.00	
TOTAL	2020		1739.31	40.31	19.24	26.24	11.57	2.58	0.06	0.00
CENTRAL SECTOR GENERATION										
<u>NTPC STATIONS</u>										
Singrauli STPS	2000	7.50	150.00	19.76	49.56	30.68	0.00	0.00		
Rihand Stage-I	1000	10.00	100.00	69.32	0.00	30.68	0.00	0.00		
Rihand Stage -II	1000	12.60	126.00	43.92	25.40	30.68	0.00	0.00		
Rihand Stage-III	1000	13.19	131.91	59.26	40.74	0.00	0.00	0.00		
ANTA GPS	419	10.50	44.00	43.92	25.40	30.68	0.00	0.00		
Auriya GPS	663.36	10.86	72.04	43.92	25.40	30.68	0.00	0.00		
Dadri GPS	829.78	10.96	90.94	43.92	25.39	30.68	0.00	0.00		
Dadri (Th)-I	840	90.00	756.00	73.98	8.17	1.32	16.53	0.00		
Dadri (Th) -II	980	74.24	727.53	74.60	24.03	1.37	0.00	0.00		
Unchahaar-I TPS	420	5.71	23.98	43.92	25.39	30.68	0.00	0.00		
Unchahaar-II TPS	420	11.19	47.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-III TPS	210	13.81	29.00	43.92	25.40	30.68	0.00	0.00		
Unchahaar-IV TPS	500									
Jhajjar	1500	46.20	693.00	1.44	9.99	88.57	0.00	0.00		
Farakka	1600	1.39	22.24	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-I	840	6.07	50.99	43.92	25.40	30.68	0.00	0.00		
Kahalgaoon-II	1500	10.49	157.35	43.92	25.40	30.68	0.00	0.00		
TOTAL NTPC	15722		3221.98	49.06	18.70	28.37	3.88	0.00	0.00	0.00
<u>NHPC (HYDRO)</u>										
Baira Suil HPS	180	11.00	19.80	43.92	25.40	30.68	0.00	0.00		
Salal HPS	690	11.62	80.18	74.60	25.40	0.00	0.00	0.00		
Tanakpur HEP	94	12.81	12.07	43.92	25.40	30.68	0.00	0.00		
Chamera HEP	540	7.90	42.66	43.92	25.40	30.68	0.00	0.00		
Chamera-II HEP	300	13.33	39.99	43.92	25.40	30.68	0.00	0.00		
Chamera-III HEP	231	12.73	29.42	43.92	25.40	30.68	0.00	0.00		
URI-I HEP	480	11.04	52.99	43.92	25.40	30.68	0.00	0.00		
URI -II HEP	240	13.45	32.28	43.92	25.40	30.68	0.00	0.00		
Sewa HEP	120	13.33	16.00	43.92	25.40	30.68	0.00	0.00		
Dhauri Ganga HEP	280	13.21	36.99	43.92	25.40	30.68	0.00	0.00		
Dulhasti HEP	390	12.83	50.04	43.92	25.40	30.68	0.00	0.00		
Parbati-III HEP	520	12.73	66.20	43.92	25.40	30.68	0.00	0.00		
Total NHPC	4065		478.60734	49.06	25.40	25.54	0.00	0.00		

Name of the Stn	Installed capacity in MW	Capacity Allocation to Delhi In%	Capacity Allocation to Delhi in MW	DISCOMWISE CAPACITY ALLOCATION IN PERCENTAGE (%AGE)						
				BRPL	BYPL	TPDDL	NDMC	ME S	RPH	NR
Nathpa Jhakri HEP	1500	9	142.05	43.92	25.40	30.68	0.00	0.00		
Tehri Hydro	1000	6.30	63.00	69.32	0.00	30.68	0.00	0.00		
Koteshwar HEP	400	9.86	39.44	69.32	0.00	30.68	0.00	0.00		
Total THDC	1400		102.44	69.32	0.00	30.68	0.00	0.00		
Singrauli Hyd	8	19.13	1.53	0.00	0.00	100.00	0.00	0.00		
<u>NPC (NUCLEAR)</u>										
Narora APS	440	10.68	46.99	69.32	0.00	30.68	0.00	0.00		
RAPP (C)	440	12.69	55.84	43.92	25.40	30.68	0.00	0.00		
TOTAL NPC	880		102.828	55.53	13.79	30.68	0.00	0.00	0.00	0.00
Allocation from ER										
Tala HEP	1020	2.94	29.99	43.92	25.40	30.68	0.00	0.00		
SASAN	3960	11.25	445.50	14.83	69.83	15.34	0.00	0.00		
DVC(CTPS7 &8)			300.00	44.14	27.63	28.22				
DVC(Mejia6)			100.00	43.92	25.40	30.68	0.00	0.00		
TOTAL	4980		875.488	29.03	48.67	21.93	0.00	0.00	0.00	0.00
Allocation from Long term Bilateral										
CLP Jhajjar(Th)	1320		124.00			100.00				
Mejia-7(Th)	500		119.00		100.00					
Methan(Th)	1050		281.25			100.00				
Surya Kanta(Hyd)			14.00			100.00				
Nanti Hydro			11.45			100.00				
Tutikoren			50.00	100.00						
SECI			60.00	32.93	33.78	33.29				
RUMS - DMRC			99.00	47.98	26.57	25.45				
Sun Edision (From 18.11.2019)			90.00			100.00				
Teranda (HYD) (From 08.1.2020)			12.65			100.00				
BRBCL (From 15.01.2020)			5.00							100
JIPTL			9.46							100
TOTAL	2870		875.81	13.39	18.90	66.06	0.00	0.00	0.00	200.
Total	33445		7540	40.83	22.55	31.45	4.33	0.60	0.01	0.19

5

**POWER AVAILABILITY-DEMAND POSITION AT THE TIME OF PEAK DEMAND
MET DURING AUGUST 2022**

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDWPCL	DMSWL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12) = (11) - (10)	(13) = (11) + (12)	(14)	(15) = (13) + (14)
1	22:48:29	37	153	271	18	0	17	496	5021	5148	-127	5517	0	5517
2	23:08:38	37	152	300	18	-1	15	522	5597	5561	36	6119	0	6119
3	15:26:00	37	149	272	18	0	18	493	5554	5457	97	6047	0	6047
4	14:55:12	36	149	290	17	0	17	509	5348	5398	-50	5857	0	5857
5	0:00:35	38	154	299	17	0	18	526	4956	5026	-70	5482	0	5482
6	23:02:42	37	152	289	2	0	18	497	5103	5127	-24	5600	0	5600
7	0:00:03	37	152	275	3	0	16	484	4938	4911	27	5422	0	5422
8	23:04:02	37	151	286	17	0	17	507	5336	5407	-71	5843	0	5843
9	22:52:19	37	150	299	17	4	18	525	5778	5763	15	6303	0	6303
10	23:26:35	37	153	305	17	4	18	526	5920	5657	263	6446	0	6446
11	0:02:29	61	146	272	18	4	17	519	5820	5577	243	6339	0	6339
12	15:31:54	36	151	271	18	0	17	493	5432	5386	46	5925	0	5925
13	23:15:17	36	151	300	19	-1	20	525	5393	5356	37	5918	0	5918
14	0:00:00	35	148	288	13	-1	18	500	5275	5207	68	5775	0	5775
15	22:56:57	36	154	271	12	0	17	490	4682	4662	20	5172	0	5172
16	15:21:22	37	155	270	11	0	18	491	4733	4889	-156	5224	0	5224
17	23:15:02	37	154	293	13	0	18	515	5031	5065	-34	5546	0	5546
18	15:13:37	35	149	269	19	0	18	490	5351	5180	171	5841	0	5841
19	0:00:13	35	148	272	17	5	18	495	5189	5349	-160	5684	0	5684
20	0:55:10	34	149	275	13	7	19	496	5142	4838	304	5638	0	5638
21	23:00:09	37	152	303	11	8	17	528	5541	5531	10	6069	0	6069
22	22:52:56	36	151	301	19	5	17	529	5769	5786	-17	6298	0	6298
23	0:00:36	35	147	297	19	7	16	521	5586	5509	77	6107	0	6107
24	0:03:26	36	151	300	18	4	18	527	5276	5289	-13	5803	0	5803
25	23:06:31	37	153	300	19	6	17	532	5407	5392	15	5939	0	5939
26	23:15:14	34	157	282	13	0	19	505	5615	5668	-53	6120	4	6124
27	0:00:13	35	149	291	18	5	17	515	5396	5595	-199	5911	4	5915
28	23:18:56	36	152	304	15	5	17	529	5455	5449	6	5984	0	5984
29	15:16:09	36	152	304	13	7	17	529	5591	5499	92	6120	0	6120
30	15:41:46	37	153	301	16	6	18	531	5400	5431	-31	5931	0	5931
31	23:03:01	37	156	302	16	6	6	523	5718	5711	7	6241	0	6241

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

Date	Time of peak demand	Generation within Delhi							Import from the Grid	Schedule from the Grid	OD(-)/UD(+)	Demand met	Shedding	Un-Restricted Demand
		GT	PPCL	Bawana	TOWMCL	EDW PCL	DMS WL	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9) = (3) to (8)	(10)	(11)	(12)= (11) - (10)	(13)= (11)+ (12)	(14)	(15)= (13)+ (14)
1	22:48:29	37	153	271	18	0	17	496	5021	5148	-127	5517	0	5517
2	23:08:38	37	152	300	18	-1	15	522	5597	5561	36	6119	0	6119
3	15:26:00	37	149	272	18	0	18	493	5554	5457	97	6047	0	6047
4	14:55:12	36	149	290	17	0	17	509	5348	5398	-50	5857	0	5857
5	0:00:35	38	154	299	17	0	18	526	4956	5026	-70	5482	0	5482
6	23:02:42	37	152	289	2	0	18	497	5103	5127	-24	5600	0	5600
7	0:00:03	37	152	275	3	0	16	484	4938	4911	27	5422	0	5422
8	23:04:02	37	151	286	17	0	17	507	5336	5407	-71	5843	0	5843
9	22:52:19	37	150	299	17	4	18	525	5778	5763	15	6303	0	6303
10	23:26:35	37	153	305	17	4	18	526	5920	5657	263	6446	0	6446
11	0:02:29	61	146	272	18	4	17	519	5820	5577	243	6339	0	6339
12	15:31:54	36	151	271	18	0	17	493	5432	5386	46	5925	0	5925
13	23:15:17	36	151	300	19	-1	20	525	5393	5356	37	5918	0	5918
14	0:00:00	35	148	288	13	-1	18	500	5275	5207	68	5775	0	5775
15	22:56:57	36	154	271	12	0	17	490	4682	4662	20	5172	0	5172
16	15:21:22	37	155	270	11	0	18	491	4733	4889	-156	5224	0	5224
17	23:15:02	37	154	293	13	0	18	515	5031	5065	-34	5546	0	5546
18	15:13:37	35	149	269	19	0	18	490	5351	5180	171	5841	0	5841
19	0:00:13	35	148	272	17	5	18	495	5189	5349	-160	5684	0	5684
20	0:55:10	34	149	275	13	7	19	496	5142	4838	304	5638	0	5638
21	23:00:09	37	152	303	11	8	17	528	5541	5531	10	6069	0	6069
22	22:52:56	36	151	301	19	5	17	529	5769	5786	-17	6298	0	6298
23	0:00:36	35	147	297	19	7	16	521	5586	5509	77	6107	0	6107
24	0:03:26	36	151	300	18	4	18	527	5276	5289	-13	5803	0	5803
25	23:06:31	37	153	300	19	6	17	532	5407	5392	15	5939	0	5939
26	23:15:14	34	157	282	13	0	19	505	5615	5668	-53	6120	4	6124
27	0:00:13	35	149	291	18	5	17	515	5396	5595	-199	5911	4	5915
28	23:18:56	36	152	304	15	5	17	529	5455	5449	6	5984	0	5984
29	15:16:09	36	152	304	13	7	17	529	5591	5499	92	6120	0	6120
30	15:41:46	37	153	301	16	6	18	531	5400	5431	-31	5931	0	5931
31	23:03:01	37	156	302	16	6	6	523	5718	5711	7	6241	0	6241

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

(ALL FIGURES IN MUS)

GENERATION WITHIN DELHI	AVAILABILITY	SCHEDULE
Rajghat Power House	0.000	0.000
Gas Turbine	61.920	26.137
Pragati-I	233.215	113.293
Pragati-III (Bawana)	925.015	211.099
Rithala	0.000	0.000
Badarpur	0.000	0.000
Renewable (include WTE)	22.950	22.950
Total (i to vi)	1243.099	373.478

NAME OF STATION	AVAILABILITY	SCHEDULE
SINGRAULI STPS	87.017	88.228
RIHAND STPS	54.750	54.777
DADRI TPS	525.823	0.000
UNCHAHAR-I TPS	15.839	12.129
UNCHAHAR-II TPS	33.345	25.640
ANTA GPP-GF	27.293	0.000
ANTA GPP-LF	0.000	0.142
ANTA GPP-RF	0.000	0.005
ANTA CRF	0.000	0.000
AURAIYA GPP-GF	51.289	0.000
AURAIYA GPP-LF	0.000	0.002
AURAIYA GPP-RF	0.000	0.111
AURAIYA CRF	0.000	0.000
DADRI GPP-GF	48.206	0.000
DADRI GPP-LF	0.000	0.000
DADRI GPP-RF	0.000	0.002
DADRI CRF	0.000	0.002
BAIRASIUL HEP	9.941	9.941
SALAL HEP	57.893	57.893
TANAKPUR HEP	8.026	8.026
CHAMERA HEP	30.399	30.399
URI HEP	34.757	34.757
NATHPA JHAKRI HEP	106.155	106.155
CHAMERA HEP-II	27.331	27.331
RIHAND-II STPS	91.957	87.271
DHAULIGANGA HEP	26.845	26.845
TEHRI HEP	29.716	29.716
UNCHAHAR-III TPS	17.414	14.003
DULHASTI HEP	30.047	30.047

NAME OF STATION	AVAILABILITY	SCHEDULE
DADRI II	531.464	118.796
SEWA-II	11.245	11.245
jhajjar	117.639	355.721
NAPP	25.442	25.442
RAPP C	37.326	37.326
RAPPB_4 C	0.000	0.000
KOTESWAR	16.391	16.391
SASAN	247.495	247.201
CHAMERA III	20.062	20.062
RIHAND3	96.350	92.068
KAHALGAON1	29.843	26.279
KAHALGAON2	113.682	98.475
TALA	20.806	20.806
FARAKA	10.642	10.642
URI 2 HEP	23.520	23.520
Parvati3	22.072	22.072
Koldam	0.000	0.000
SINGRAULI SHEP	0.545	0.545
UNCHAHAR - IV TPS	0.000	0.000
TALCHER (BTPS)	7.847	0.000
Nabinagar STPS(BRBCL)	2.663	7.821
ISGS	2649.076	1777.833
LTA	791.324	791.324
TOTAL (ISGS+LTA)	3440.400	2569.157
TOTAL AVAILABILITY	4683.499	2942.635
BILATERAL PURCHASE	950.162	950.162

8. SHEDDING DETAILS DURING THE MONTH OF AUGUST 2022.

ALL FIGURES IN MUs

DATE	No. of Under Freq. Relay Operate d	Shedding due to under frequency relay operation in MUs					Shedding due to Grid Restrictions (Over drawal / low freq.)				
		BSES		TPDD L	NDMC	TOTAL	BSES		TPDD L	NDMC	MES
		BYPL	BRPL				BYPL	BRPL			
1	2	3	4	5	6	7=3 to 6	8	9	10	11	12
01.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
02.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
03.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
04.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
05.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
06.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
07.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
08.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
09.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Date	Shedding due to Transmission/Grid Constraints in Central Sector Stations / TTC / ATC VOILATION				DUE TO NEW GRID CODE REGULATION DEVIATION			Shedding due to Transmission/Grid Constraints in Central sector stations				Total	Total shedding due to grid restrictions
	BSES		TPDDL	NDMC	BSES			TPDDL	NDM	C			
	BYPL	BRPL			BYPL	BRPL	TPDDL						
1	13	14	15	16	17	18	19	20	21	22	23	24=8 to 23	25=7+24
01.08.22	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
02.08.22	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
03.08.22	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
04.08.22	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
05.08.22	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
06.08.22	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
07.08.22	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
08.08.22	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
09.08.22	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
10.08.22	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
11.08.22	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
12.08.22	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
13.08.22	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
14.08.22	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
15.08.22	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
16.08.22	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
17.08.22	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
18.08.22	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
19.08.22	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
20.08.22	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
21.08.22	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
22.08.22	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
23.08.22	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
24.08.22	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
25.08.22	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
26.08.22	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
27.08.22	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
28.08.22	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
29.08.22	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
30.08.22	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
31.08.22	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		
	BSES	TPDDL	NDMC	MES	BSES	TPDDL	NDMC

ALL
FIGURES
IN MUS

	BYPL	BRPL				BYPL	BRPL		
1	26	27	28	29	30	31	32	33	34
01.08.22	0.0009	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
02.08.22	0.0000	0.0000	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
03.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
04.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0000
05.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
06.08.22	0.0000	0.0000	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
07.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
08.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
09.08.22	0.0096	0.0085	0.0060	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
10.08.22	0.0547	0.0310	0.0007	0.0000	0.0000	0.0000	0.0000	0.0017	0.0000
11.08.22	0.0386	0.0000	0.0052	0.0000	0.0000	0.0120	0.0000	0.0000	0.0000
12.08.22	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13.08.22	0.0000	0.0000	0.0027	0.0000	0.0000	0.0008	0.0000	0.0002	0.0000
14.08.22	0.0000	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
15.08.22	0.0202	0.0034	0.0218	0.0000	0.0000	0.0025	0.0000	0.0002	0.0000
16.08.22	0.1925	0.0000	0.0068	0.0000	0.0000	0.0000	0.0000	0.0021	0.0000
17.08.22	0.0000	0.0050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0278	0.0000	0.0000	0.0000
19.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0143	0.0000
22.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
24.08.22	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081	0.0000
26.08.22	0.0323	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27.08.22	0.0000	0.0041	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28.08.22	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
29.08.22	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
30.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0006	0.0004	0.0000
31.08.22	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTAL	0.3497	0.1156	0.0801	0.0000	0.0000	0.0543	0.0006	0.0408	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
01.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0126	0.0126
02.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0038	0.0038
03.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000

04.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0023	0.0023
05.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
06.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0068	0.0068
07.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0048	0.0048
08.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
09.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0242	0.0242
10.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0881	0.0881
11.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0559	0.0559
12.08.22	0.000	0.000	0.000 2	0.000	0.000	0.000	0.000	0.0163	0.0163
13.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0036	0.0036
14.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0130	0.0130
15.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0482	0.0482
16.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.2014	0.2014
17.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0050	0.0050
18.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0278	0.0278
19.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
20.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
21.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0143	0.0143
22.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
23.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0002	0.0002
24.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0240	0.0240
25.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0081	0.0081
26.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0359	0.0359
27.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0304	0.0304
28.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0013	0.0013
29.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0010	0.0010
30.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0122	0.0122
31.08.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0000	0.0000
TOTAL	0.000	0.000	0.000 2	0.000	0.000	0.000	0.000	0.6414	0.6414

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
01.08.22	108.836	5517	22:48:29	0	5517	5517	22:48:29	5517	0
02.08.22	121.763	6119	23:08:38	0	6119	6119	23:08:38	6119	0
03.08.22	125.151	6047	15:26:00	0	6047	6047	15:26:00	6047	0
04.08.22	123.584	5857	14:55:12	0	5857	5857	14:55:12	5857	0
05.08.22	117.845	5482	0:00:35	0	5482	5482	0:00:35	5482	0

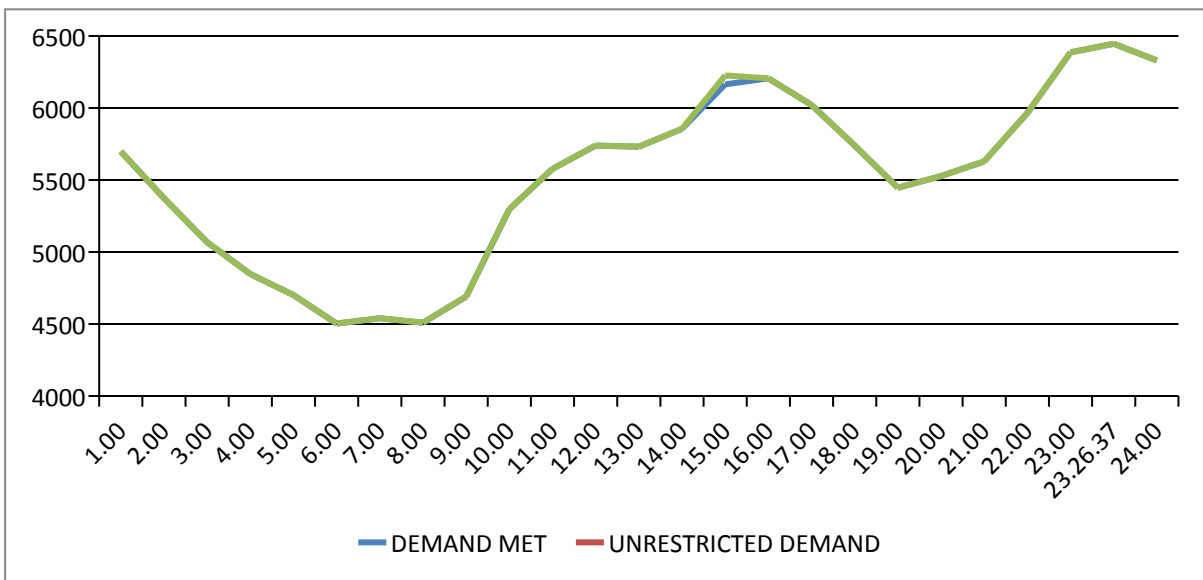
06.08.22	115.558	5600	23:02:42	0	5600	5600	23:02:42	5600	0
07.08.22	105.700	5422	0:00:03	0	5422	5422	0:00:03	5422	0
08.08.22	114.090	5843	23:04:02	0	5843	5843	23:04:02	5843	0
09.08.22	124.183	6303	22:52:19	0	6303	6303	22:52:19	6303	0
10.08.22	131.747	6446	23:26:35	0	6446	6446	23:26:35	6446	0
11.08.22	114.982	6339	0:02:29	0	6339	6339	0:02:29	6339	0
12.08.22	119.297	5925	15:31:54	0	5925	5925	15:31:54	5925	0
13.08.22	120.616	5918	23:15:17	0	5918	5918	23:15:17	5918	0
14.08.22	112.734	5775	0:00:00	0	5775	5775	0:00:00	5775	0
15.08.22	97.768	5172	22:56:57	0	5172	5172	22:56:57	5172	0
16.08.22	109.773	5224	15:21:22	0	5224	5224	15:21:22	5224	0
17.08.22	113.310	5546	23:15:02	0	5546	5546	23:15:02	5546	0
18.08.22	119.430	5841	15:13:37	0	5841	5841	15:13:37	5841	0
19.08.22	119.501	5684	0:00:13	0	5684	5684	0:00:13	5684	0
20.08.22	121.319	5638	0:55:10	0	5638	5638	0:55:10	5638	0
21.08.22	117.450	6069	23:00:09	0	6069	6069	23:00:09	6069	0
22.08.22	131.174	6298	22:52:56	0	6298	6298	22:52:56	6298	0
23.08.22	124.522	6107	0:00:36	0	6107	6107	0:00:36	6107	0
24.08.22	122.605	5803	0:03:26	0	5803	5803	0:03:26	5803	0
25.08.22	121.760	5939	23:06:31	0	5939	5939	23:06:31	5939	0
26.08.22	125.178	6120	23:15:14	4	6120	6120	23:15:14	6120	4
27.08.22	124.545	5911	0:00:13	4	5911	5911	0:00:13	5911	4
28.08.22	117.122	5984	23:18:56	0	5984	5984	23:18:56	5984	0
29.08.22	124.840	6120	15:16:09	0	6120	6120	15:16:09	6120	0
30.08.22	124.866	5931	15:41:46	0	5931	5931	15:41:46	5931	0
31.08.22	128.118	6241	23:03:01	0	6241	6241	23:03:01	6241	0
TOTAL	3699.366	6446	23.26.37			6446	23.26.35		
		10.08.22				10.08.22			

9. **LOAD PATTERN OF DELHI ON THE DAY OF PEAK DEMAND MET DURING AUGUST 2022 ON 10.08.2022 - 6446 MW AT 23.26.37HRS.**

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5698	0	5698
2.00	5374	0	5374
3.00	5068	0	5068
4.00	4847	0	4847
5.00	4701	0	4701
6.00	4503	0	4503
7.00	4540	0	4540
8.00	4509	0	4509
9.00	4690	0	4690
10.00	5297	0	5297

11.00	5577	0	5577
12.00	5739	0	5739
13.00	5731	0	5731
14.00	5855	0	5855
15.00	6164	62	6226
16.00	6206	0	6206
17.00	6021	0	6021
18.00	5739	0	5739
19.00	5446	0	5446
20.00	5527	0	5527
21.00	5629	0	5629
22.00	5965	0	5965
23.00	6386	0	6386
23.26.37	6446	0	6446
24.00	6330	0	6330
Total (IN MUS)	131.747	0.088	131.8351

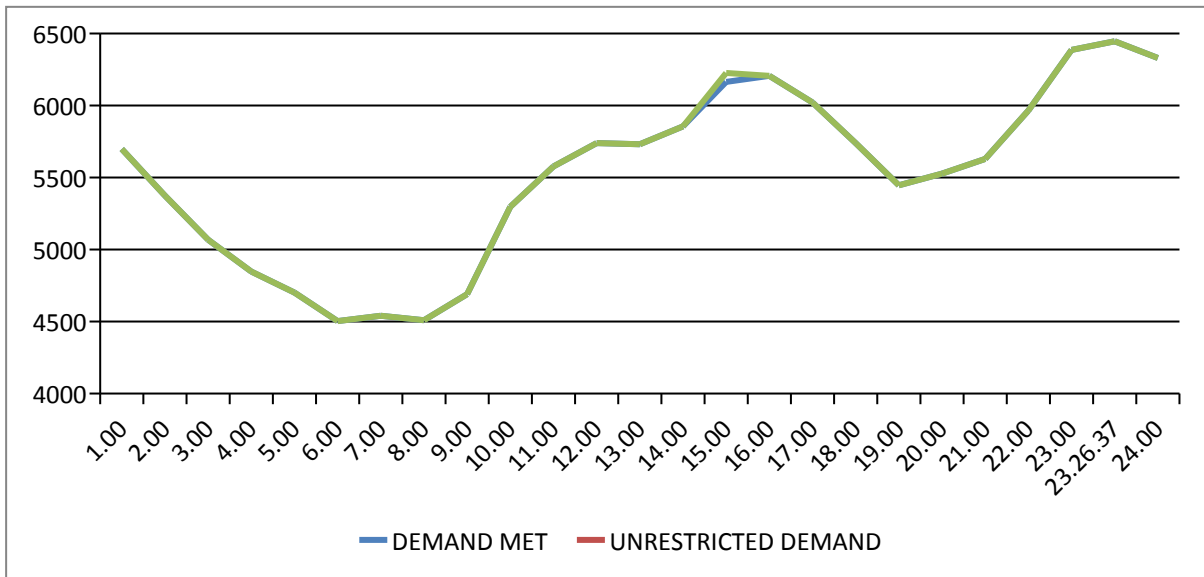


10 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UN-RESTRICTED DEMAND DURING AUGUST 2022 ON 10.08.2022-6446MW AT 23.26.37HRS.

All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5698	0	5698
2.00	5374	0	5374
3.00	5068	0	5068
4.00	4847	0	4847
5.00	4701	0	4701
6.00	4503	0	4503
7.00	4540	0	4540
8.00	4509	0	4509

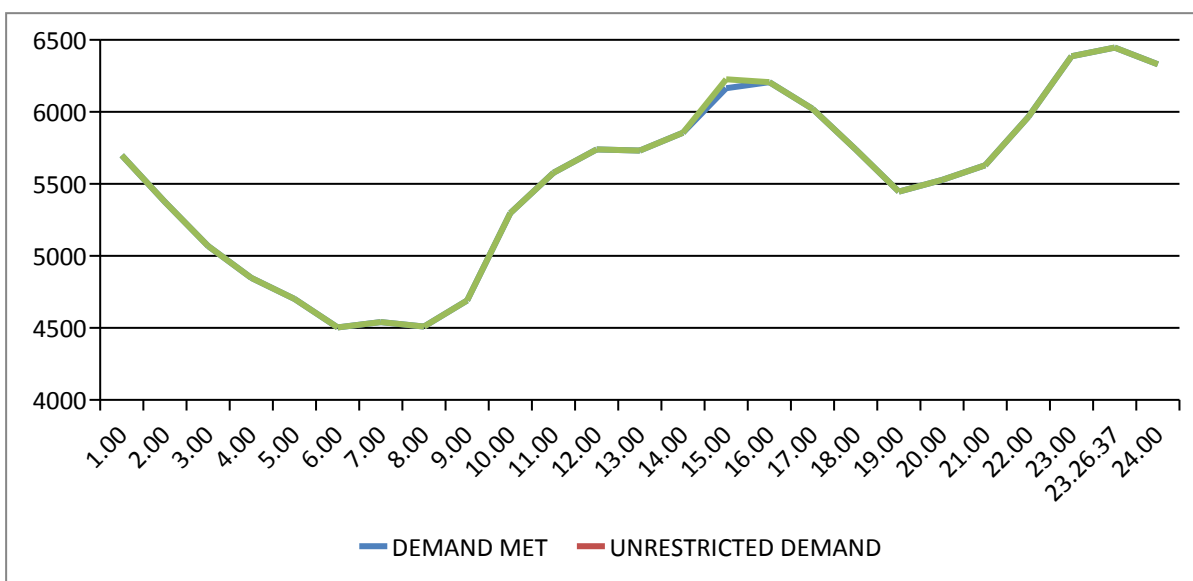
9.00	4690	0	4690
10.00	5297	0	5297
11.00	5577	0	5577
12.00	5739	0	5739
13.00	5731	0	5731
14.00	5855	0	5855
15.00	6164	62	6226
16.00	6206	0	6206
17.00	6021	0	6021
18.00	5739	0	5739
19.00	5446	0	5446
20.00	5527	0	5527
21.00	5629	0	5629
22.00	5965	0	5965
23.00	6386	0	6386
23.26.37	6446	0	6446
24.00	6330	0	6330
Total (IN MUS)	131.747	0.088	131.8351



11 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM ENERGY CONSUMED DURING AUGUST 2022 – 10.08.2022 – 131.747 Mus

All figures in MW

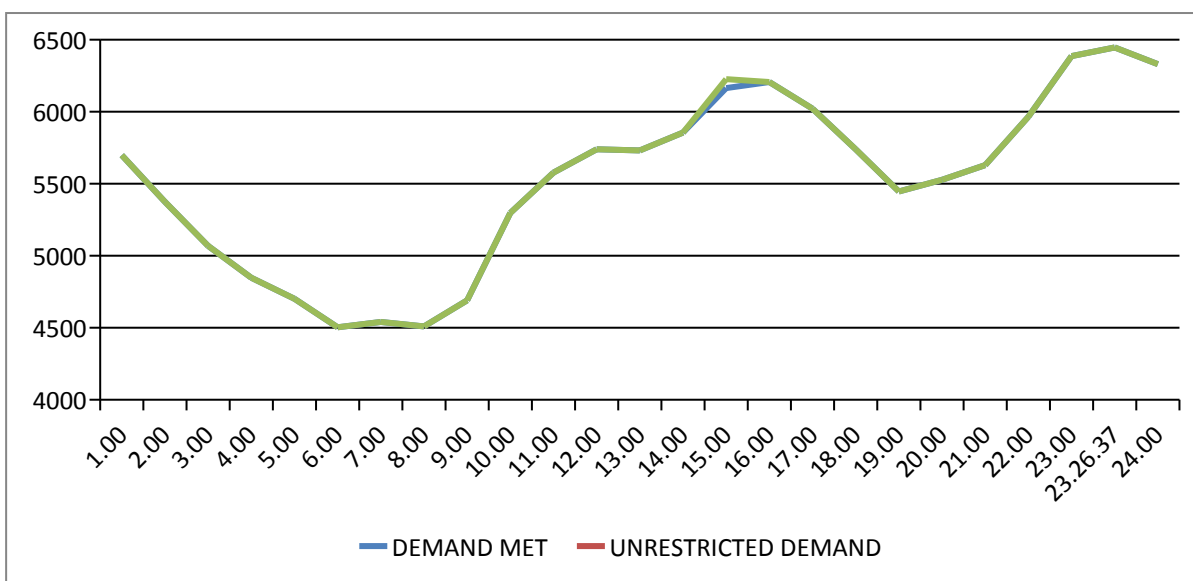
Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5698	0	5698
2.00	5374	0	5374
3.00	5068	0	5068
4.00	4847	0	4847
5.00	4701	0	4701
6.00	4503	0	4503
7.00	4540	0	4540
8.00	4509	0	4509
9.00	4690	0	4690
10.00	5297	0	5297
11.00	5577	0	5577
12.00	5739	0	5739
13.00	5731	0	5731
14.00	5855	0	5855
15.00	6164	62	6226
16.00	6206	0	6206
17.00	6021	0	6021
18.00	5739	0	5739
19.00	5446	0	5446
20.00	5527	0	5527
21.00	5629	0	5629
22.00	5965	0	5965
23.00	6386	0	6386
23.26.37	6446	0	6446
24.00	6330	0	6330
Total (IN MUS)	131.747	0.088	131.8351



12 LOAD PATTERN OF DELHI ON THE DAY OF MAXIMUM UNRESTRICTED ENERGY DEMAND DURING AUGUST 2022 - ON 10.08.2022 -131.835-MUs

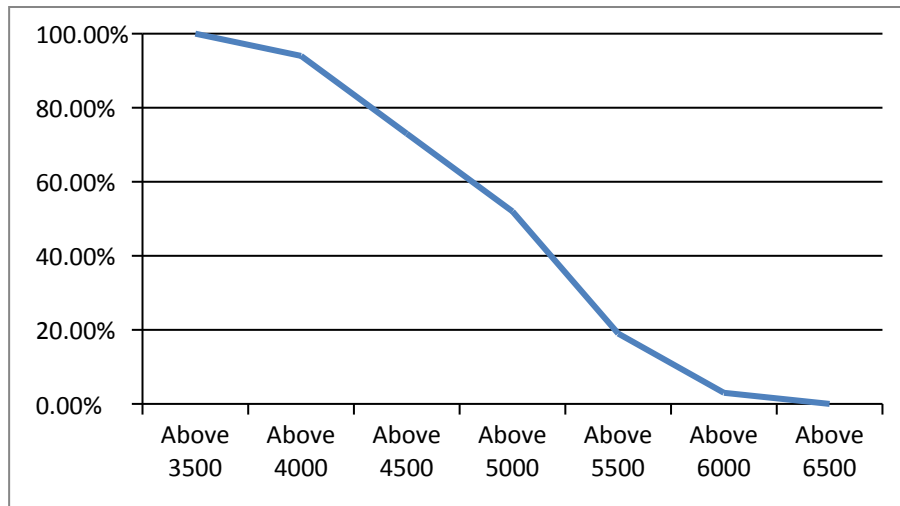
All figures in MW

Hrs.	Demand	Load Shedding	Un-Restricted Demand
1.00	5698	0	5698
2.00	5374	0	5374
3.00	5068	0	5068
4.00	4847	0	4847
5.00	4701	0	4701
6.00	4503	0	4503
7.00	4540	0	4540
8.00	4509	0	4509
9.00	4690	0	4690
10.00	5297	0	5297
11.00	5577	0	5577
12.00	5739	0	5739
13.00	5731	0	5731
14.00	5855	0	5855
15.00	6164	62	6226
16.00	6206	0	6206
17.00	6021	0	6021
18.00	5739	0	5739
19.00	5446	0	5446
20.00	5527	0	5527
21.00	5629	0	5629
22.00	5965	0	5965
23.00	6386	0	6386
23.26.37	6446	0	6446
24.00	6330	0	6330
Total (IN MUS)	131.747	0.088	131.8351



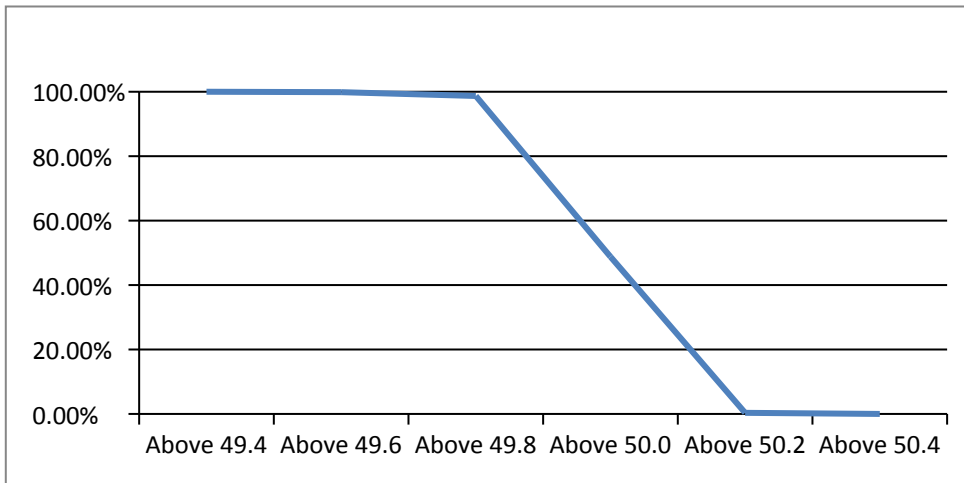
13 LOAD DURATION CURVE FOR AUGUST 2022

LOAD REMAINED ABOVE IN MW	(%) OF TIME
Above 3500	100.00%
Above 4000	94.00%
Above 4500	73.00%
Above 5000	52.00%
Above 5500	19.00%
Above 6000	3.00%
Above 6500	0.00%



14 FREQUENCY ANALYSIS FOR THE MONTH OF AUGUST 2022

FREQUENCY REMAINED ABOVE IN HZ	(%) OF TIME
50.4	0.00
50.2	0.34
50	48.79
49.8	98.69
49.6	99.87
49.4	100.00



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

All figures in kV

Date	NARELA		GAZIPUR	
	Max	Min	Max	Min
01.08.22	227.06	215.95	234.87	220.13
02.08.22	224.09	215.3	229.88	219.72
03.08.22	222.76	216.27	233.73	222.67
04.08.22	226.21	217.08	235.5	224.01
05.08.22	225.21	217.72	234.45	225.78
06.08.22	224.65	216.56	234.9	225.07
07.08.22	227.49	216.94	236.44	225.25
08.08.22	225.44	215.16	235.53	224.2
09.08.22	225.24	213.53	235.45	223.13
10.08.22	223.18	212.11	232.75	220.15
11.08.22	225.68	211.25	234.09	225.17
12.08.22	224	213.55	233.34	221.81
13.08.22	223.59	211.08	233.66	220.88
14.08.22	224.38	214.09	234.2	224.12
15.08.22	226.63	215.8	235.82	224.19
16.08.22	227.13	215.6	235.21	223.88
17.08.22	224.79	214.03	234.67	221.74
18.08.22	223.6	212.54	234.67	221.69
19.08.22	224.55	213.51	232.13	221.17
20.08.22	224.01	214.37	234.47	224.65
21.08.22	225.39	213.69	235.48	224.02
22.08.22	223.08	212.37	233.94	223.55
23.08.22	223.17	213.09	234.26	224.19
24.08.22	224.47	214.74	236.27	225.15
25.08.22	224.82	212.99	236.71	221.74
26.08.22	223.13	211.71	233.29	219.08
27.08.22	224.19	211.72	234.21	219.06
28.08.22	225.32	214.98	234.83	223.9
29.08.22	224.81	212.18	233.3	218.95
30.08.22	223.52	212.46	231.68	219.39
31.08.22	223.52	211.22	233.63	218.65

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

All figures in kV

Date	400kV Bamnauli Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.08.22	416.35	4:06:12	393.69	22:24:15	406.09
02.08.22	413.49	3:59:58	396.6	11:33:07	405.88
03.08.22	413.49	4:16:28	398.71	10:27:43	405.98
04.08.22	415.83	4:29:19	400.05	19:30:01	407.79
05.08.22	414.6	4:20:07	399	22:54:14	407.88
06.08.22	415.28	4:59:19	398.99	23:33:52	407.84
07.08.22	419.32	8:02:36	399.66	0:07:14	411.85
08.08.22	416.14	3:56:09	394.75	22:18:17	406.39
09.08.22	417.07	7:06:53	392.65	21:09:22	405.95
10.08.22	412.11	8:02:47	392.45	22:30:24	403.13
11.08.22	418.55	17:15:07	396.99	22:45:26	408.87
12.08.22	412.61	4:01:52	394.6	22:39:40	403.7
13.08.22	413.36	7:03:27	390.52	23:04:18	403.06
14.08.22	415.77	17:02:26	395.09	0:05:31	406.69
15.08.22	419.46	17:03:25	398.07	22:39:03	410.79
16.08.22	416.7	3:59:31	396.48	19:24:30	408.6
17.08.22	415.07	5:02:02	395.52	14:37:43	405.06
18.08.22	413.92	4:01:13	392.87	23:12:39	405.06
19.08.22	413.79	17:49:25	394.36	12:30:12	404.94
20.08.22	412.68	8:01:42	396.15	23:24:14	405.26
21.08.22	416	17:03:01	393.34	22:38:49	406.34
22.08.22	411.05	7:03:36	392.91	22:39:13	403.66
23.08.22	412.01	7:03:51	393.31	23:06:13	404.43
24.08.22	415.09	3:59:56	398.06	11:40:19	407.17
25.08.22	416.97	4:01:03	392.35	23:49:10	406.93
26.08.22	411.31	7:53:53	393.02	23:37:40	403.35
27.08.22	412.57	7:30:10	390.23	11:47:33	403.24
28.08.22	416.71	17:01:51	398.36	0:00:21	407.47
29.08.22	414.24	6:31:10	394.82	23:39:03	405.36
30.08.22	411.67	7:01:36	393.38	23:07:54	404.49
31.08.22	414.33	7:02:18	393.88	23:40:38	404.14

All figures in kV

Date	400kV Bawana Grid Sub-Station				
	Max KV	Max Time	Min KV	Min Time	Average KV
01.08.22	414.03	5:16:37	393.49	22:04:02	403.58
02.08.22	407.99	4:04:16	393.86	22:54:02	400.82
03.08.22	407.2	4:16:22	394.05	12:10:56	400.46
04.08.22	410.28	6:50:42	396.08	19:35:04	402.03
05.08.22	409.14	7:04:21	390.98	12:49:24	400.47
06.08.22	412.06	7:11:17	391.67	19:47:08	402.22
07.08.22	415.02	8:12:20	392.37	22:48:10	404.48
08.08.22	406.21	6:25:17	387.1	14:43:11	396.14
09.08.22	410.79	6:03:02	388.76	23:04:56	398.96
10.08.22	408.11	7:02:11	383.78	11:13:23	397.05
11.08.22	410.42	17:33:53	390.35	0:00:00	400.67
12.08.22	406.99	6:30:06	389.11	14:26:09	397.33
13.08.22	409.11	7:03:37	384.08	22:58:21	396.24
14.08.22	406.44	17:02:02	388.42	0:05:34	397.41
15.08.22	412.54	18:08:56	391.84	22:38:09	402.69
16.08.22	408.79	6:02:48	388.99	19:23:52	400.22
17.08.22	408.04	7:21:41	388.15	22:19:53	397.18
18.08.22	405.45	7:01:50	383.78	11:07:08	395.53
19.08.22	406.19	7:00:51	386.24	12:28:28	397.25
20.08.22	407.87	7:01:44	388.99	12:12:59	397.52
21.08.22	408.48	17:46:32	386.23	22:37:12	395.75
22.08.22	404.33	7:04:15	379.5	12:46:21	394.44
23.08.22	405.53	7:00:19	388.54	23:08:37	397.14
24.08.22	406.35	7:02:51	391.52	12:26:39	399.37
25.08.22	408.47	7:03:47	387.59	12:24:03	399.38
26.08.22	403.46	6:03:16	388.04	12:12:24	396.33
27.08.22	405.9	18:31:08	387.42	11:44:27	397.4
28.08.22	409.06	17:02:58	390.42	22:34:05	400.46
29.08.22	407.8	6:31:11	386.06	11:47:07	397.17
30.08.22	407.55	18:19:56	387.82	11:48:30	399.15
31.08.22	410.08	6:36:45	389.51	12:23:52	400.15

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

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
1	01.08.22	9:05	RAJGHAT 220/33kV 100MVA Tx-2	01.08.22	9:52	O/C, E/F.
2	01.08.22	16:30	SARITA VIHAR 66/11kV, 20MVA Tx-II	02.08.22	12:30	BUCHOLZ RELAY OPERATED.
3	01.08.22	18:56	MASJID MOTH 220/33kV 100MVA Tx-II	01.08.22	19:10	33kV I/C – II : Non Directional E/F,O/C, 86
4	01.08.22	18:56	MASJID MOTH 220/33kV 100MVA Tx-I	01.08.22	19:10	220/33kV 100MVA-I : B & C phase ,87 Z , Non Directional E/F,O/C,86 33kV I/C – I : Non Directional E/F,O/C,86
5	01.08.22	18:56	MASJID MOTH 220/33kV 100MVA Tr-III	01.08.22	19:10	33kV I/C – III : ABC E/F,O/C
6	02.08.22	15:40	OKHLA 220/33kV 100MVA Tx-IV	02.08.22	19:32	RYB PHASE, HIGH SET DIFFERENTIAL, 86.
7	02.08.22	20:07	KANJHAWALA 220/66kV 100MVA Tx-II	02.08.22	21:40	O/C, B PHASE.
8	02.08.22	20:07	KANJHAWALA 220/66kV 100MVA Tx-I	02.08.22	21:18	86
9	03.08.22	14:18	220kV MUNDKA-KANJHAWALA CKT	03.08.22	18:22	AT KHANJAWALA : R PHASE, 86.ZONE-I.
10	04.08.22	4:50	RAJGHAT 220/33kV 100MVA Tx-I	04.08.22	18:10	DIFFERENTIAL.
11	06.08.22	1:16	WAZIRABAD 220/66kV 100MVA Tx-I	06.08.22	12:56	REF.
12	06.08.22	13:18	220kV BAWANA - KANJHAWALA CKT - 1	06.08.22	19:25	AT KHANJAWALA : DIST PROT ZONE-II, DIST 25.42KM.
13	06.08.22	14:52	WAZIRABAD 220/66kV 100MVA Tx-I	06.08.22	15:20	PRV, SPR.
14	06.08.22	15:27	WAZIRABAD 220/66kV 160MVA Tx-I	06.08.22	15:54	PRV, SPOR
15	09.08.22	9:55	220kV GOPALPUR- MANDOLACKT-I	09.08.22	11:21	AT GOPALPUR : R PHASE DIFFERENTIAL.
16	09.08.22	15:54	SHALIMAR BAGH 220/33kV 100MVA Tx-III	10.08.22	16:04	86, O/C Y PHASE.
17	10.08.22	14:15	MEHRAULI 220/66kV 100MVA Tx-I	10.08.22	14:26	TRIPPED WITHOUT INDICATION.
18	10.08.22	14:30	220kV WAZIRABAD - KASHMEREGATE CKT-I	10.08.22	14:37	AT KASHMIRIGATGE : DIFFERENTIAL, RYB PHASE, 186.
19	10.08.22	14:30	220kV WAZIRABAD-GEETA COLONY CKT-II	10.08.22	15:54	AT WAZIRABAD : BUS BAR PROT OPERATED.
20	10.08.22	14:30	220KV WAZIRABAD - MANDOLA CKT-III	10.08.22	16:31	AT WAZIRABAD : BUS BAR PROT OPERATED.
21	10.08.22	14:30	220KV WAZIRABAD - MANDOLA CKT-I	10.08.22	16:31	AT WAZIRABAD : BUS BAR PROT OPERATED.
22	10.08.22	14:30	220kV WAZIRABAD - KASHMEREGATE CKT-II	10.08.22	15:54	AT WAZIRABAD : BUS BAR PROT, OPERATED.
23	10.08.22	14:30	WAZIRABAD 220/66kV 100MVA Tx-III	10.08.22	15:54	BUS BAR PRO OPERATED.
24	10.08.22	14:30	WAZIRABAD 220/66kV 100MVA Tx-I	10.08.22	15:54	BUS BAR PROT OPERATED.
25	10.08.22	14:30	RAJGHAT 220/33kV 100MVA Tx-I	10.08.22	14:57	86, 186.
26	10.08.22	14:30	WAZIRABAD 220/66kV 100MVA Tx-II	10.08.22	15:54	BUS BAR PROT, OPERATED.
27	11.08.22	9:44	WAZIRABAD 220/66kV 100MVA Tx-I	11.08.22	10:23	O/C, E/F, R PHASE, 86.
28	11.08.22	9:44	WAZIRABAD 220/66kV 100MVA Tx-III	11.08.22	10:23	O/C, R PHASE, E/F, 86.
29	11.08.22	9:44	WAZIRABAD 220/66kV 100MVA Tx-II	11.08.22	10:23	O/C, E/F, R PHASE, 86.
30	11.08.22	15:41	220kV GOPALPUR- MANDOLACKT-II	11.08.22	18:05	AT GOPALPUR : R&Y PHASE, DIFFERENTIAL.
31	11.08.22	18:22	220kV BAMNAULI-NAJAFGARH CKT-II	12.08.22	7:17	AT NAJAFGARH : DIST PROT, ZONE-I, DIST 8.8KM, R PHASE.
32	11.08.22	18:48	GEETA COLONY 220/33kV 100MVA Tx-II	11.08.22	19:15	O/C, 86.
33	11.08.22	18:48	GEETA COLONY 220/33kV 100MVA Tx-I	11.08.22	19:15	O/C, 86.
34	12.08.22	0:20	220kV KANJHAWALA-NAJAFGARH CKT	12.08.22	9:57	AT KHANJAWALA : O/, E/F, B PHASE, DIST PROT, ZONE-I, DIST 5.24KM.
35	12.08.22	6:25	OKHLA 220/33kV 100MVA Tx-IV	12.08.22	6:58	RYB PHASE, O/C, 86.
36	12.08.22	6:25	OKHLA 220/33kV 100MVA Tx-V	12.08.22	6:55	TRIPPED WITHOUT INDICATION.
37	12.08.22	6:25	OKHLA 220/33kV 100MVA Tx-III	12.08.22	8:07	86
38	13.08.22	18:48	220kV GOPALPUR- MANDOLACKT-II	13.08.22	18:50	AT GOPALPUR : DIFFERENTIAL, RY PHASE, 186
39	14.08.22	14:43	INDRAPRASTHA POWER 220/33kV 100MVA Tx-III	14.08.22	17:53	B PHASE, O/C, E/F, 86.
40	15.08.22	11:06	220kV WAZIRABAD-GEETA COLONY CKT-I	15.08.22	11:51	AT GEETA COLONY : DIST PROT, ZONE-I, DIST 1.9KM. AT WAZIRABAD : DIST PROT, ZONE-I, DIST 4.2KM.
41	15.08.22	11:27	220KV WAZIRABAD - MANDOLA CKT-III	15.08.22	14:47	AT WAZIRABAD : RY PHASE, DIST PROT, ZONE-I, DIST 2.21KM.
42	15.08.22	13:33	220kV ROHINI-SHALIMARBAGH CKT-II	15.08.22	16:55	AT SHALIMARBAGH : DIST PROT, ZONE-I, DIST 2.7KM.

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
43	15.08.22	14:34	220kV NARAINA-RIDGE VALLEY CKT-I	15.08.22	15:50	220kV Bus Bar protection operation at 220kV Naraina
44	15.08.22	14:34	NARAINA 220/33kV 100MVA Tx-II	15.08.22	16:10	220kV Bus Bar protection operation at 220kV Naraina
45	15.08.22	15:19	220kV GEETA COLONY- PATPARGANJ CKT-I	15.08.22	19:23	At Patparganj : E/F, 86. At Geeta Colony : 86, PD trip
46	15.08.22	15:19	220kV GEETA COLONY- PATPARGANJ CKT -II	15.08.22	19:23	At Patparganj: 86, E/F, R Phase, differential.
47	15.08.22	15:19	220kV GAZIPUR- PATPARGANJ CKT	16.08.22	9:32	At Patparganj : 86, R phase At Gazipur : R Phase, Differential.
48	15.08.22	16:22	220KVBAWANA- ROHINI CKT-II	15.08.22	18:50	AT ROHINI-I : DIST PROT, ZONE-II, DIST 8.8KM, 86, 186.
49	15.08.22	16:22	220kV WAZIRABAD-GEETA COLONY CKT-I	15.08.22	16:58	AT GEETA COLONY , DIST PROT, DIST 0.23KM, 86, AB PHASE.
50	15.08.22	16:56	220kV PRAGATI - SARITA VIHAR CKT - I	15.08.22	19:13	AT SARITA VIAHR : DIST PROT, ZONE-I, DIST 3.06KM.
51	15.08.22	18:20	220kV GOPALPUR- MANDOLACKT-I	15.08.22	20:12	AT GOPALPUR : DIST PROT, ZONE-I, DIST 14.88KM.
52	15.08.22	18:31	220kV ROHINI-SHALIMARBAGH CKT-I	15.08.22	22:21	AT ROHINI-I : DIST PROT, ZONE-I, DIST 2.6KM, 86.
53	15.08.22	19:07	220kV WAZIRABAD-GEETA COLONY CKT-I	15.08.22	20:39	AT WAZIRABAD : DIST PROT, ZONE-II & III, DIST 5.158KM.
54	15.08.22	19:21	220KVBAWANA- ROHINI CKT-I	15.08.22	21:21	AT ROHINI-I : TRIPPED WITHOUT INDICATION.
55	15.08.22	19:21	ROHINI 220/66kV 100MVA Tx-I	15.08.22	21:34	TRIPPED WITHOUT INDICATION.
56	16.08.22	0:59	220kV BAMNAULI - DIAL CKT-II	16.08.22	12:00	AT DIAL " R PHASE, DIST PROT, DIST 6.0KM.
57	16.08.22	4:05	SUBZI MANDI 220/33kV 100MVA Tx-I	16.08.22	4:30	86, DIFFERENTIAL.
58	16.08.22	15:00	RIDGE VALLEY 220/66kV 160MVA Tx-I	16.08.22	15:30	HOT POINT.
59	16.08.22	15:58	WAZIRABAD 220/66kV 100MVA Tx-II	16.08.22	16:29	220kV Bus bar protection operated on 220kV Bus-II
60	16.08.22	15:58	WAZIRABAD 220/66kV 100MVA Tx-I	16.08.22	16:29	220kV Bus bar protection operated on 220kV Bus-II
61	16.08.22	15:58	WAZIRABAD 220/66kV 100MVA Tx-III	16.08.22	16:29	220kV Bus bar protection operated on 220kV Bus-II
62	16.08.22	15:58	220KV WAZIRABAD - MANDOLA CKT-III	16.08.22	16:24	220kV Bus bar protection operated on 220kV Bus-II
63	16.08.22	15:58	220 KV GOPALPUR-WAZIRABAD CKT - 1	16.08.22	16:33	220kV Bus bar protection operated on 220kV Bus-II
64	16.08.22	15:58	220KV WAZIRABAD - MANDOLA CKT-I	16.08.22	16:24	220kV Bus bar protection operated on 220kV Bus-II
65	16.08.22	15:58	220kV WAZIRABAD - KASHMEREGATE CKT-II	16.08.22	16:28	220kV Bus bar protection operated on 220kV Bus-II
66	16.08.22	15:58	220kV WAZIRABAD-GEETA COLONY CKT-II	16.08.22	16:33	220kV Bus bar protection operated on 220kV Bus-II
67	16.08.22	16:50	WAZIRABAD 220/66kV 160MVA Tx-I	16.08.22	17:06	E/F & 86.
68	16.08.22	16:50	WAZIRABAD 220/66kV 100MVA Tx-II	16.08.22	17:10	E/F & 86.
69	16.08.22	16:50	WAZIRABAD 220/66kV 100MVA Tx-III	16.08.22	17:10	E/F & 86.
70	16.08.22	16:50	WAZIRABAD 220/66kV 100MVA Tx-I	16.08.22	17:10	on O/C, Y&B Phase and E/F
71	16.08.22	19:40	GEETA COLONY 220/33kV 100MVA Tx-II	16.08.22	20:14	E/F, ABC PHASE.
72	16.08.22	19:40	GEETA COLONY 220/33kV 100MVA Tx-I	16.08.22	20:10	E/F, O/C
73	17.08.22	13:07	220kV MEHRAULI - VASANT KUNJ CKT.-I	17.08.22	15:05	AT MEHRAULI : O/C, Y PHASE.
74	17.08.22	20:40	220kV MEHRAULI - VASANT KUNJ CKT.-I	18.08.22	15:30	AT VASANT KUNJ : O/C, 186A&B.
75	18.08.22	8:07	220kV MUNDKA-KANJHAWALA CKT	18.08.22	12:12	AT MUNDKA : DIST PROT, ZONE-I, R PHASE.
76	18.08.22	13:55	220kV BAMNAULI-PAPPANKALAN-III CKT-I	18.08.22	19:05	AT BAMNAULI : DIST PROT, ZONE-II, DIST 6.402KM.
77	18.08.22	22:15	WAZIRABAD 220/66kV 160MVA Tx-I	19.08.22	11:50	E/F, O/C
78	21.08.22	14:57	220kV GEETA COLONY- PATPARGANJ CKT -II	21.08.22	15:45	AT GEETA COLONY : DIST PROT, ZONE-I, DIST 4.028KM.
79	22.08.22	17:06	GEETA COLONY 220/33kV 100MVA Tx-II	22.08.22	17:55	O/C.
80	24.08.22	4:40	NAJAFGARH 220/66kV 160MVA Tx-III	27.08.22	11:35	TRIPPED ON BUCHOLZ, 86.

S L N O	OCCURRENCE OF BREAK-DOWN		DETAILS OF THE BREAKDOWN	TIME OF RESTORATION		REMARKS
	DATE	TIME		DATE	TIME	
81	24.08.22	14:47	PAPPANKALAN-I 220/66kv 100MVA Tx-I	25.08.22	16:10	86, BUCHOLZ.
82	26.08.22	16:30	OKHLA 66/11kv, 20MVA Tx-I	26.08.22	16:45	86
83	26.08.22	17:42	NARELA 66/11kv, 20MVA Tx-I	27.08.22	17:10	DIFFERENTIAL, 86.
84	26.08.22	22:05	GEETA COLONY 220/33kv 100MVA Tx-II	26.08.22	22:50	O/C, 86.
85	26.08.22	22:05	GEETA COLONY 220/33kv 100MVA Tx-I	28.08.22	5:08	86, E/F
86	26.08.22	23:05	SARITA VIHAR 66/11kv, 20MVA Tx-I	27.08.22	0:20	O/C, B PHASE.
87	27.08.22	13:52	220kv BAWANA-DSIIDC BAWANA CKT-II	27.08.22	16:25	AT DSIDC : 86.
88	27.08.22	16:55	NAJAFGARH 66/11kv, 20MVA Tx-III	27.08.22	17:15	O/C, E/F
89	27.08.22	18:15	220kv GOPALPUR- MANDOLACKT-I	27.08.22	21:45	AT GOPALPUR : DIFFERRNTIAL, 86ABC, RY PHASE, DIST PROT, DIST 240.5MTS.
90	27.08.22	18:19	NARELA 66/11kv, 20MVA Tx-I	28.08.22	3:25	O/C, 86A&B
91	28.08.22	17:46	KASHMIRI GATE 33/11kv, 20MVA Tx	28.08.22	21:20	86, RB PHASE.
92	28.08.22	18:45	220kv MAHARANI BAGH - SARITA VIHAR CKT	28.08.22	18:54	AT SARITA VIHAR : LOW AIR PRESSURE ALARM.
93	28.08.22	21:20	GAZIPUR 66/11kv, 20MVA Tx-II	28.08.22	21:52	86
94	29.08.22	7:40	SUBZI MANDI 33/11kv, 16MVA Tx-I	29.08.22	10:25	86
95	29.08.22	12:20	220kv BAMNAULI-PAPPANKALAN-I CKT-II	29.08.22	20:01	AT BAMNAULI : DIST PROT, ZONE-I, 86A&B
96	30.08.22	11:08	220kv ROHINI-SHALIMARBAGH CKT-I	30.08.22	14:20	AT ROHINI-I : TRIPPED WITHOUT INDICATION.
97	30.08.22	17:21	220kv MAHARANI BAGH - SARITA VIHAR CKT	30.08.22	18:11	AT SARITA VIHAR : DIST PROT, ZONE-I, DIST 3.36KM.
98	30.08.22	17:21	GEETA COLONY 220/33kv 100MVA Tx-I	30.08.22	17:30	BUS COUPLER TRIPPED ON 86, E/F, TR. PUT OFF MANUALLY.
99	31.08.22	12:45	220kv ROHINI-SHALIMARBAGH CKT-II	31.08.22	16:11	AT SHALIMARBAGH : Y PHASE DIFFERENTIAL.

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

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