

**POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

Date: 04-Mar-2022

System Reliability Indices Report for the month of February 2022

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
5	NER Import	0	0.00	0.00

Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
4	NER Import	0	0.00	0.00

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

FREQUENCY DEVIATION INDEX FOR FEBRUARY 2022

Date of reporting:

04-Mar-22

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	No. of hours frequency is outside 49.95-50.05 Hz	Average Frequency (Hz)
	<49.90 Hz	49.90 - 50.05 Hz	>50.05 Hz			
01-Feb-22	8.72	77.72	13.56	22.28	5:20	49.99
02-Feb-22	3.63	79.70	16.67	20.30	4:52	50.01
03-Feb-22	8.14	75.60	16.26	24.40	5:51	50.00
04-Feb-22	2.81	73.14	24.05	26.86	6:26	50.02
05-Feb-22	1.67	78.14	20.20	21.86	5:14	50.01
06-Feb-22	3.25	74.95	21.79	25.05	6:00	50.02
07-Feb-22	7.87	78.15	13.98	21.85	5:14	49.99
08-Feb-22	9.63	74.81	15.56	25.19	6:02	49.99
09-Feb-22	0.32	72.94	26.74	27.06	6:29	50.03
10-Feb-22	3.14	72.63	24.24	27.37	6:34	50.02
11-Feb-22	4.98	79.50	15.52	20.50	4:55	50.00
12-Feb-22	10.76	78.43	10.81	21.57	5:10	49.98
13-Feb-22	4.78	81.59	13.63	18.41	4:25	50.00
14-Feb-22	6.22	78.59	15.20	21.41	5:08	50.00
15-Feb-22	10.00	79.26	10.74	20.74	4:58	49.98
16-Feb-22	8.29	80.00	11.71	20.00	4:48	49.99
17-Feb-22	6.42	78.94	14.64	21.06	5:03	50.00
18-Feb-22	3.83	78.85	17.31	21.15	5:04	50.00
19-Feb-22	4.27	76.85	18.88	23.15	5:33	50.00
20-Feb-22	1.88	83.70	14.42	16.30	3:54	50.00
21-Feb-22	14.17	72.67	13.16	27.33	6:33	49.98
22-Feb-22	8.43	69.93	21.64	30.07	7:13	50.00
23-Feb-22	3.84	79.84	16.32	20.16	4:50	50.00
24-Feb-22	12.42	78.23	9.35	21.77	5:13	49.97
25-Feb-22	4.84	71.31	23.85	28.69	6:53	50.01
26-Feb-22	4.84	71.31	23.85	28.69	6:53	50.01
27-Feb-22	3.13	75.15	21.72	24.85	5:57	50.01
28-Feb-22	4.84	79.06	16.10	20.94	5:01	50.00
February 2022	5.97	76.82	17.21	23.18	155:45	50.00

*FDI is defined as percentage of time for which frequency is outside IEGC band (49.90-50.05 Hz)

विद्युत विभव रूपरेखा माह - फ़रवरी 2022

VOLTAGE PROFILE - February 2022

Date of reporting: 04-Mar-22

क्र.स. Si. No.	क्षेत्र REGION	उपकेंद्र SUBSTATION	VOLTAGE < V(lower)* (V=380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=420,800 kV)	Voltage Deviation Index (%age of time voltage is outside range)	Number of hours voltage was outside IEGC band during month	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	0	799	745	773
2		दालिपली DARLIPALI	0%	100%	0%	0%	0	787	760	775
3		गया GAYA	0%	100%	0%	0%	0	784	748	768
4		झारसुगडा JHARSUGUDA	0%	100%	0%	0%	0	800	767	785
5		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	785	747	768
6		रांची RANCHI	0%	100%	0%	0%	0	791	761	778
7		सासाराम SASARAM	0%	100%	0%	0%	0	782	741	764
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	799	751	779
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	795	741	774
3		अजमेर AJMER	0%	98%	2%	2%	12	807	751	783
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	799	748	778
5		अनूपरा सी ANPARA-C	0%	100%	0%	0%	0	778	755	765
6		अनूपरा डी ANPARA-D	0%	100%	0%	0%	0	778	753	764
7		अंता ANTA	0%	100%	0%	0%	0	801	759	780
8		बलिया BALLIA	0%	100%	0%	0%	0	787	739	768
9		बारा BARA	0%	100%	0%	0%	0	794	744	765
10		भदला BHADLA	0%	100%	0%	0%	2	808	726	770
11		भिवानी BHIWANI	0%	100%	0%	0%	1	802	750	780
12		बीकानेर BIKANER	0%	100%	0%	0%	3	811	736	774
13		बरेली BAREILLY	0%	98%	2%	2%	10	806	747	781
14		चित्तौड़गढ़ CHITTORGARH	0%	99%	1%	1%	4	805	748	781
15		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	792	740	769
16		ग्रेटर नोएडा GREATER NOIDA	0%	99%	1%	1%	9	805	752	785
17		हापुड HAPUR	0%	99%	1%	1%	5	804	744	781
18		जवाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0
19		झटिकरा JHATIKARA	0%	100%	0%	0%	0	799	741	779
20		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	793	747	772
21		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	802	743	777
22		लालिपुर LALITPUR	0%	100%	0%	0%	1	787	723	761
23		लखनऊ LUCKNOW	0%	100%	0%	0%	0	799	749	775
24		मैनपुरी MAINPURI	0%	99%	1%	1%	3	811	751	782
25		मेरठ MEERUT	0%	100%	0%	0%	3	805	744	780
26		मोहा MOGA	0%	100%	0%	0%	1	803	734	773
27		ओबरा सी OBRA C	0%	0%	0%	0%	0	0	0	0
28		उरई ORAI	0%	100%	0%	0%	3	834	750	785
29		फागी PHAGI	0%	100%	0%	0%	2	805	750	782
30		उन्नाव UNNAO	0%	100%	0%	0%	0	789	734	766
31		वाराणसी VARANASI	0%	100%	0%	0%	0	789	727	775
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	801	751	772
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	794	744	770
3		भोपाल (बीक्रीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	790	747	770
4		भुज BHUJ	0%	100%	0%	0%	0	803	733	770
5		बिलासपुर BILASPUR	0%	100%	0%	0%	0	785	759	772
6		बीना BINA	0%	100%	0%	0%	0	797	758	780
7		बनसकण्ठ BANASKANTHA	0%	99%	1%	1%	9	810	753	782
8		चापा CHAMPA	0%	99%	1%	1%	10	805	774	790
9		धुले (बीक्रीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	798	749	772
10		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	789	759	772
11		रायपुर प्रसिम RAIPUR POOLING	0%	100%	0%	0%	0	791	762	781
12		एकतुनी EKTUNI	0%	100%	0%	0%	0	792	739	765
13		गदचरोडा GADCHWARA	0%	100%	0%	0%	0	787	766	782
14		ग्वालियर GWALIYAR	0%	100%	0%	0%	0	800	746	782
15		इंदौर INDORE	0%	100%	0%	0%	0	792	745	770
16		जबलपुर JABALPUR	0%	100%	0%	0%	2	802	764	784
17		खडवा KHANDWA	0%	100%	0%	0%	0	794	749	772
18		कोरडी KORADI	0%	100%	0%	0%	0	786	752	767
19		रायगढ़ प्रसिम RAIGARH POOLING	0%	100%	0%	0%	2	801	773	787
20		पडघे PADGHE	0%	100%	0%	0%	1	808	744	776
21		परली PARLI	0%	100%	0%	0%	0	800	759	781
22		पुणे PUNE	0%	100%	0%	0%	0	800	744	780
23		राजनन्दगांव RAJNANDGAON	0%	100%	0%	0%	1	801	765	786
24		सासन SASAN	0%	100%	0%	0%	0	788	764	776
25		सतना SATNA	0%	100%	0%	0%	0	796	763	782
26		सिवनी SEONI	0%	100%	0%	0%	0	791	751	772
27		सीपट SIPAT	0%	100%	0%	0%	0	786	761	773
28		सोलापुर SOLAPUR	0%	100%	0%	0%	3	804	757	783
29		तिरुठा TIRUTHA	0%	100%	0%	0%	0	776	750	764
30		तामनाम TANNAR	0%	100%	0%	0%	0	798	772	785
31		वडोदरा VADODARA	0%	100%	0%	0%	0	799	748	773
32		विन्ध्यचल प्रसिम VINDHYACHAL PS	0%	100%	0%	0%	0	790	767	779
33		वर्धा WARDHA	0%	100%	0%	0%	0	794	747	773
34		वरोरा WARORA	0%	100%	0%	0%	0	795	758	779
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	87%	13%	13%	88	810	747	786
2		चिन्नकलुरीपेट CHILAKALURIPETA	0%	88%	12%	12%	77	813	737	783
3		कर्नूल KURNOOL	0%	100%	0%	0%	0	796	742	775
4		महेश्वरम MAHESWARAM	0%	98%	2%	2%	17	807	729	774
5		निजामाबाद NIZAMABAD	0%	94%	6%	6%	39	811	742	780
6		नेल्लूर प्रसिम NELLORE PS	0%	100%	0%	0%	0	792	745	773
7		रायचूर RAICHUR	0%	100%	0%	0%	0	798	749	777
8		श्रीकाकुलम SRIKAKULAM	0%	100%	0%	0%	2	804	743	777
9		तिरुवल्लम THIRUVALLEM	0%	100%	0%	0%	0	791	735	771
10		वेमगिरी VEMAGIRI	0%	91%	9%	9%	64	814	740	783
1	पूर्वोत्तरी क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	0%	0%	0%	0	0	0	0
2		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	419	396	406
3		बोंगाईगांव BONGAIGON (400 kV)	0%	100%	0%	0%	0	420	399	411
4		बोंगाईगांव ट्रांसमिशन BONGAIGON TPS (400 kV)	0%	98%	2%	2%	11	422	402	413
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	1	421	398	410
6		बिनहट्ट BYRNHAT (400 kV)	0%	0%	0%	0%	0	0	0	0
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	418	395	405
8		अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	412	403	408
9		मौला MISA (400 kV)	0%	100%	0%	0%	0	419	398	407
10		न्यू मरिचानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	420	395	408
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	1	422	396	409
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	1	415	399	407
13		पुबुचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	414	394	403
14		रंगानादी RANGANADI (400 kV)	0%	0%	0%	0%	0	0	0	0
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	2	421	395	410
16		सुबानसिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0
17		सुन्चयामनिगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	412	394	402

All listed stations are 765 kV stations unless otherwise mentioned

*Percentage is calculated w.r.t. Time of one month.

Anglur spread w.r.to. Vindhyachal month of Feb-2022

AGRA_PG ALIPU_PG BACHU_PG BONGA_PG CHDPR_MH DURGA_WB FARAK_PG GJWKA_PG
HOSUR_PG KISNP_PG KOLAR_PG KOTA_PG KSTPS_GS KZKDE_PG MOGA_PG PATNA_PG
PURNW_PG RHNHV_PG SILCR_PG TALCH_PG TCHRN_PG UNNAO_UP VINDP_PG

