

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

Date: 05-Apr-2022

System Reliability Indices Report for the month of March 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	18	4.50	0.60
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 MARCH 2022

Date of reporting:

05-Apr-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-Mar-22	4.31	76.92	18.77	23.08	5:32	50.01
02-Mar-22	6.22	72.26	21.53	27.74	6:39	50.01
03-Mar-22	4.06	75.52	20.42	24.48	5:52	50.01
04-Mar-22	9.22	73.81	16.97	26.19	6:17	49.99
05-Mar-22	5.17	84.93	9.90	15.07	3:37	49.99
06-Mar-22	4.97	74.40	20.64	25.60	6:08	50.01
07-Mar-22	9.03	76.78	14.19	23.22	5:34	49.99
08-Mar-22	7.70	75.56	16.75	24.44	5:52	50.00
09-Mar-22	11.97	77.45	10.58	22.55	5:24	49.97
10-Mar-22	11.13	78.14	10.73	21.86	5:14	49.98
11-Mar-22	12.50	77.50	10.00	22.50	5:24	49.98
12-Mar-22	10.43	81.25	8.32	18.75	4:30	49.98
13-Mar-22	2.45	83.61	13.94	16.39	3:56	50.00
14-Mar-22	13.15	75.44	11.41	24.56	5:53	49.98
15-Mar-22	24.56	68.03	7.41	31.97	7:40	49.95
16-Mar-22	19.76	74.55	5.69	25.45	6:06	49.95
17-Mar-22	23.87	69.00	7.13	31.00	7:26	49.95
18-Mar-22	7.00	76.86	16.13	23.14	5:33	50.00
19-Mar-22	2.84	76.83	20.34	23.17	5:33	50.01
20-Mar-22	11.93	78.88	9.19	21.12	5:04	49.98
21-Mar-22	22.29	70.83	6.88	29.17	7:00	49.95
22-Mar-22	40.71	56.02	3.28	43.98	10:33	49.90
23-Mar-22	32.35	60.38	7.27	39.62	9:30	49.94
24-Mar-22	24.66	66.69	8.65	33.31	7:59	49.95
25-Mar-22	43.58	52.55	3.88	47.45	11:23	49.91
26-Mar-22	21.01	69.16	9.84	30.84	7:24	49.96
27-Mar-22	3.30	70.69	26.01	29.31	7:02	50.02
28-Mar-22	13.33	71.12	15.54	28.88	6:55	49.99
29-Mar-22	10.96	78.62	10.42	21.38	5:07	49.98
30-Mar-22	14.94	77.65	7.41	22.35	5:21	49.97
31-Mar-22	20.00	74.50	5.50	25.50	6:07	49.96
March 2022	14.50	73.42	12.09	26.58	197:46	49.98

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

विद्युत विभव रूपरेखा माह - मार्च 2022

VOLTAGE PROFILE - March 2022

Date of reporting: 05-Apr-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	755	776
2		दालिपली DARLIPALI	0%	100%	0%	0%	0	790	764	776
3		गया GAYA	0%	100%	0%	0%	0	778	749	764
4		झारसुगडा JHARSUGUDA	0%	100%	0%	0%	1	801	772	786
5		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	784	746	770
6		रांची RANCHI	0%	100%	0%	0%	0	792	763	778
7		सासाराम SASARAM	0%	100%	0%	0%	0	790	742	762
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	802	755	780
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	797	743	774
3		अजमेर AJMER	0%	98%	2%	2%	15	809	755	784
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	801	745	778
5		अनूपरा सी ANPARA-C	0%	100%	0%	0%	0	783	759	768
6		अनूपरा डी ANPARA-D	0%	100%	0%	0%	0	780	757	766
7		अंता ANTA	0%	100%	0%	0%	0	796	761	778
8		बलिया BALIA	0%	100%	0%	0%	0	786	741	762
9		बारा BARA	0%	100%	0%	0%	3	793	758	775
10		भादवा BHADLA	0%	100%	0%	0%	3	806	737	774
11		भिवानी BHIWANI	0%	100%	0%	0%	1	804	745	779
12		बीकानेर BIKANER	0%	99%	1%	1%	4	807	747	776
13		बरेली BAREILLY	0%	100%	0%	0%	1	803	745	777
14		चित्तौड़गढ़ CHITTORGARH	0%	99%	1%	1%	5	805	754	783
15		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	793	742	769
16		ग्रेटर नोएडा GREATER NOIDA	0%	99%	1%	1%	4	805	752	784
17		हापुड HAPUR	0%	100%	0%	0%	0	802	746	779
18		जवाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0
19		झटिकरा JHATIKARA	0%	100%	0%	0%	0	800	743	776
20		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	789	746	770
21		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	797	748	777
22		लालितपुर LALITPUR	0%	100%	0%	0%	1	788	723	763
23		लखनऊ LUCKNOW	0%	100%	0%	0%	0	798	740	770
24		मैनपुरी MAINPURI	0%	100%	0%	0%	2	804	753	782
25		मेरठ MEERUT	0%	100%	0%	0%	2	805	749	781
26		मोहा MOGA	0%	100%	0%	0%	1	804	740	772
27		ओबरा सी OBRA C	0%	0%	0%	0%	0	0	0	0
28		उरई ORAI	0%	100%	0%	0%	3	804	762	787
29		फागी PHAGI	0%	100%	0%	0%	3	806	756	782
30		उन्नाव UNNAO	0%	100%	0%	0%	0	790	736	765
31		वाराणसी VARANASI	0%	100%	0%	0%	0	789	757	772
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	795	754	772
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	800	747	772
3		भोपाल (बीक्रीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	790	704	770
4		भुज BHUJ	0%	100%	0%	0%	0	802	740	768
5		बिलासपुर BILASPUR	0%	100%	0%	0%	0	785	763	773
6		बीना BINA	0%	100%	0%	0%	0	797	765	783
7		बनसकण्ठ BANASKANTHA	0%	99%	1%	1%	5	807	757	782
8		चापा CHAMPA	0%	97%	3%	3%	19	804	777	791
9		धुले (बीक्रीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	795	749	771
10		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	791	764	774
11		रायपुर प्रसिंग RAIPUR POOLING	0%	100%	0%	0%	0	794	764	783
12		एकतुनी EKTUNI	0%	100%	0%	0%	0	790	745	769
13		गदवाड़ा GADWARA	0%	100%	0%	0%	0	795	773	783
14		ग्वालियर GWALIYAR	0%	100%	0%	0%	0	800	764	785
15		इंदौर INDORE	0%	100%	0%	0%	0	789	749	769
16		जबलपुर JABALPUR	0%	100%	0%	0%	2	802	770	786
17		खडवा KHANDWA	0%	100%	0%	0%	0	791	750	771
18		कोरडी KORADI	0%	100%	0%	0%	0	780	755	767
19		रायगढ़ प्रसिंग RAIGARH POOLING	0%	100%	0%	0%	0	800	777	788
20		पडघे PADGHE	0%	100%	0%	0%	0	807	739	776
21		परली PARLI	0%	100%	0%	0%	1	804	754	779
22		पुणे PUNE	0%	100%	0%	0%	0	800	742	779
23		राजनन्दगांव RAJNANDGAON	0%	100%	0%	0%	3	803	724	788
24		सासन SASAN	0%	100%	0%	0%	0	786	765	777
25		सतना SATNA	0%	100%	0%	0%	0	796	767	784
26		सिवनी SEONI	0%	100%	0%	0%	0	792	759	775
27		सीपट SIPAT	0%	100%	0%	0%	0	785	765	774
28		सोलापुर SOLAPUR	0%	100%	0%	0%	1	806	756	779
29		तिरुठा TIRUTHA	0%	100%	0%	0%	0	773	754	763
30		तामना TANNAR	0%	100%	0%	0%	0	799	777	787
31		वडोदरा VADODARA	0%	100%	0%	0%	0	796	748	772
32		विन्ध्यखल प्रसिंग VINDHYACHAL PS	0%	100%	0%	0%	0	789	767	780
33		वर्धा WARDHA	0%	100%	0%	0%	0	798	754	779
34		वरोरा WARORA	0%	100%	0%	0%	0	795	760	780
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	93%	7%	7%	54	815	752	782
2		चिन्नुरसैट CHILAKALURIPETA	0%	94%	6%	6%	44	815	746	778
3		कर्नूल KURNOOL	0%	100%	0%	0%	0	798	742	771
4		महेश्वरम MAHESWARAM	0%	94%	6%	6%	46	808	741	777
5		निजामाबाद NIZAMABAD	0%	83%	17%	17%	129	813	750	784
6		नेल्लूर प्रसिंग NELLORE PS	0%	100%	0%	0%	0	795	744	770
7		रायचूर RAICHUR	0%	100%	0%	0%	0	800	747	774
8		श्रीकाकुलम SRIKAKULAM	0%	100%	0%	0%	1	801	754	778
9		तिरुवल्लम THIRUVALEM	0%	100%	0%	0%	0	801	737	768
10		वेमगिरी VEMAGIRI	0%	95%	5%	5%	36	813	752	782
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	416	361	405
3		बोंगाईगांव BONGAIGAN (400 kV)	0%	100%	0%	0%	0	418	401	409
4		बोंगाईगांव ट्रांसफॉर्मर BONGAIGAN TPS (400 kV)	0%	100%	0%	0%	0	420	403	411
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	420	393	408
6		बनिरहात BYRNHAT (400 kV)	0%	0%	0%	0%	0	0	0	0
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	415	391	403
8		अजरा AZARA (400 kV)	0%	100%	0%	0%	0	411	402	407
9		मौला MISA (400 kV)	0%	100%	0%	0%	0	416	395	405
10		न्यू मरिचानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	418	395	407
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	421	394	408
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	0	412	400	407
13		पुबुचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	411	394	403
14		रंगानदी RANGANADI (400 kV)	0%	0%	0%	0%	0	0	0	0
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	418	400	409
16		सुबानसिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0
17		सुन्चयामनिगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	409	393	401

All listed stations are 765 kV stations unless otherwise mentioned
 *Percentage is calculated w.r.t. Time of one month.

All India Monthly Angular spread w.r.to Vindhyachal_March_2022

AGRA_PG ALIPU_PG BACHU_PG BALIP_PG BONGA_PG FARAK_PG GJWKA_PG HOSUR_PG KALW4_MH
KOLAR_PG KZKDE_PG MOGA_PG PATNA_PG SILCR_PG TALCH_PG UNNAO_UP VINDP_PG

