

GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date: **04-Apr-2025**

System Reliability Indices Report for the month of February 2024

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 MARCH 2025

Date of reporting:

04-Apr-25

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-25	6.76	75.20	18.04	24.80	5:57	50.00
02-Mar-25	3.34	79.50	17.15	20.50	4:55	50.01
03-Mar-25	16.16	72.19	11.66	27.81	6:40	50.02
04-Mar-25	3.31	68.00	28.69	32.00	7:40	50.00
05-Mar-25	3.94	72.63	23.44	27.37	6:34	49.99
06-Mar-25	4.72	78.07	17.21	21.93	5:15	49.99
07-Mar-25	4.22	76.66	19.12	23.34	5:36	50.00
08-Mar-25	6.77	78.68	14.55	21.32	5:07	50.00
09-Mar-25	6.18	81.68	12.14	18.32	4:23	50.00
10-Mar-25	5.63	69.93	24.44	30.07	7:13	50.00
11-Mar-25	7.62	74.79	17.59	25.21	6:03	50.00
12-Mar-25	5.31	72.51	22.18	27.49	6:35	50.01
13-Mar-25	4.90	74.47	20.64	25.53	6:07	49.99
14-Mar-25	6.19	71.28	22.52	28.72	6:53	49.99
15-Mar-25	7.12	76.71	16.17	23.29	5:35	50.00
16-Mar-25	5.64	79.43	14.93	20.57	4:56	49.97
17-Mar-25	4.28	79.41	16.31	20.59	4:56	50.00
18-Mar-25	3.62	79.06	17.31	20.94	5:01	49.99
19-Mar-25	6.69	82.89	10.42	17.11	4:06	50.00
20-Mar-25	8.32	80.10	11.57	19.90	4:46	49.99
21-Mar-25	4.34	82.66	13.00	17.34	4:09	49.99
22-Mar-25	5.93	76.33	17.74	23.67	5:40	49.98
23-Mar-25	0.82	85.53	13.65	14.47	3:28	49.99
24-Mar-25	4.43	81.69	13.88	18.31	4:23	50.00
25-Mar-25	3.24	83.70	13.06	16.30	3:54	50.00
26-Mar-25	2.85	86.42	10.73	13.58	3:15	49.99
27-Mar-25	4.91	82.06	13.03	17.94	4:18	50.02
28-Mar-25	3.31	81.31	15.38	18.69	4:29	50.00
29-Mar-25	4.29	73.31	22.40	26.69	6:24	50.01
30-Mar-25	5.28	77.06	17.66	22.94	5:30	50.01
31-Mar-25	4.77	81.40	13.83	18.60	4:27	50.01
March 2025	5.32	77.89	16.79	22.11	164:28	50.00

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

Voltage Profile

विद्युत विभव रूपरेखा माह - मार्च 2025

VOLTAGE PROFILE - March 2025

Date of reporting: 04-Apr-25

क्र.सं. Sl. 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.वोल्ट.) Maximum(kV)	निम्नतम(कि.वोल्ट.) Minimum(kV)	औसत (कि.वोल्ट.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	0	797	744	772
2		दार्जिलिगंजी DARGILIPALI	0%	100%	0%	0%	0	789	756	772
3		गया GAYA	0%	100%	0%	0%	0	779	746	765
4		जीरत JEERAT	0%	100%	0%	0%	0	787	739	764
5		झारसुगडा JHARSUGUDA	0%	100%	0%	0%	1	801	763	782
6		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	796	746	769
7		रान्ची RANCHI	0%	100%	0%	0%	0	795	765	780
8		ससायाम SASARAM	0%	100%	0%	0%	0	802	727	765
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	800	756	783
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	797	747	778
3		अजमेर AJMER	0%	99%	1%	1%	8	806	749	785
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	797	752	780
5		अनूपरा सी ANPARA-C	0%	100%	0%	0%	0	784	758	770
6		अनूपरा डी ANPARA-D	0%	100%	0%	0%	0	780	754	765
7		अंता ANTA	0%	100%	0%	0%	0	804	760	782
8		बलिया BALLIA	0%	100%	0%	0%	0	785	747	769
9		बारा BARA	0%	100%	0%	0%	0	787	745	770
10		भाड़ला BHADLA	0%	100%	0%	0%	0	801	735	780
11		भाड़ला-2 BHADLA-2	0%	100%	0%	0%	0	802	742	780
12		भिवानी BHIWANI	0%	99%	1%	1%	8	804	727	786
13		बीकानेर BIKANER	0%	100%	0%	0%	0	797	695	781
14		बरेली BAREILLY	0%	100%	0%	0%	2	809	746	779
15		चित्तौड़गढ़ CHITTORGARH	0%	99%	1%	1%	9	808	755	784
16		फतेहगढ़-2 FATEHGARH-2	0%	100%	0%	0%	0	796	743	775
17		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	793	744	773
18		घाटमपुर GHATAMPUR	0%	100%	0%	0%	0	788	745	770
19		ग्रेटर नोएडा GREATER NOIDA	0%	100%	0%	0%	1	801	753	783
20		हापड़ HAPUR	0%	100%	0%	0%	0	803	745	779
21		जवाहरपुर JAWAHARPUR	0%	100%	0%	0%	2	810	742	771
22		झाटिकरा JHATIKARA	0%	100%	0%	0%	0	801	748	781
23		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	795	751	774
24		खेतीर KHETRI	0%	100%	0%	0%	0	803	746	781
25		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	799	750	777
26		ललितपुर LALITPUR	0%	100%	0%	0%	0	773	743	760
27		लखनऊ LUCKNOW	0%	100%	0%	0%	0	796	747	771
28		मैनपुरी MAINPURI	0%	100%	0%	0%	0	792	736	768
29		मेरठ MEERUT	0%	98%	2%	2%	13	806	749	783
30		मेरठ(UP) MEERUT (UP)	0%	100%	0%	0%	0	801	746	778
31		मोहा MOGA	0%	99%	1%	1%	5	803	743	780
32		ओबरा सी OBRA C	0%	100%	0%	0%	0	778	750	763
33		उरई ORAI	0%	99%	1%	1%	8	804	769	789
34		फागी PHAGI	0%	100%	0%	0%	2	805	754	784
35		रामपुर RAMPUR	0%	96%	3%	3%	21	817	751	785
36		उन्नाव UNNAO	0%	100%	0%	0%	0	795	743	761
37		वाराणसी VARANASI	0%	100%	0%	0%	0	789	757	775
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	800	750	774
2		औरंगाबाद AJURANGABAD	0%	100%	0%	0%	0	802	729	773
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	797	744	770
4		भुज BHUJ	0%	100%	0%	0%	1	802	755	782
5		भुज-2 BHUJ-II	0%	100%	0%	0%	0	796	750	779
6		बिलासपुर BILASPUR	0%	100%	0%	0%	0	782	749	764
7		बिना BINA	0%	100%	0%	0%	0	801	758	781
8		बनसकन्हा BANASKANTHA	0%	97%	3%	3%	24	806	751	787
9		चाम्पा CHAMPA	0%	98%	2%	2%	15	807	763	786
10		धुल (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	795	746	770
11		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	785	754	768
12		रायपुर पूलिंग RAIPUR POOLING	0%	100%	0%	0%	0	795	759	777
13		एकतुनी EKTUNI	0%	100%	0%	0%	0	785	742	769
14		गदगढ़ GADARWARA	0%	100%	0%	0%	0	800	767	780
15		ग्वालियर GWALIOR	0%	100%	0%	0%	0	804	765	785
16		इंदौर INDORE	0%	100%	0%	0%	0	794	747	769
17		जबलपुर JABALPUR	0%	100%	0%	0%	4	805	764	785
18		खजुरा KHANDWA	0%	100%	0%	0%	0	795	747	770
19		कोराडी KORADI	0%	100%	0%	0%	0	789	754	769
20		लकाडिया LAKADIYA	0%	97%	3%	3%	20	808	710	789
21		रायगढ़ पूलिंग RAIGARH POOLING	0%	100%	0%	0%	0	793	765	779
22		पडघे PADGHE	0%	100%	0%	0%	1	810	721	775
23		परली PARLI	0%	99%	1%	1%	4	808	756	779
24		पुणे PUNE	0%	100%	0%	0%	1	812	711	778
25		राजनन्दगाँव RAJNANDGAON	0%	100%	0%	0%	2	803	760	781
26		सासन SASAN	0%	100%	0%	0%	0	791	768	777
27		सतना SATNA	0%	100%	0%	0%	3	802	769	784
28		सिवनी SEONI	0%	100%	0%	0%	0	797	751	773
29		सीतल SIPAT	0%	100%	0%	0%	0	781	750	764
30		सोलापुर SOLAPUR	0%	99%	1%	1%	7	811	767	783
31		तिरुंगा TIROGA	0%	100%	0%	0%	0	785	756	766
32		तमनार TAMNAR	0%	100%	0%	0%	0	791	764	778
33		वडीदा VADODARA	0%	100%	0%	0%	2	805	751	776
34		विन्ध्यचल पूलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	794	770	780
35		वर्धा WARDHA	0%	100%	0%	0%	1	803	747	776
36		वरौर WARORA	0%	100%	0%	0%	0	801	746	775
1	दक्षिणी क्षेत्र SR	अरियलूर ARIYALUR	0%	100%	0%	0%	0	795	750	774
2		कुड्डापह CUDDAPAH	0%	100%	0%	0%	0	777	772	777
3		चिल्कलुरीपेट CHILAKALURIPETA	0%	98%	2%	2%	12	808	751	778
4		कूर्नूल KURNOOL	0%	100%	0%	0%	1	802	751	775
5		महेश्वरम MAHESWARAM	0%	96%	4%	4%	27	813	754	781
6		निज़ामाबाद NIZAMABAD	0%	92%	8%	8%	58	813	743	781
7		नेल्लूर पूलिंग NELLORE PS	0%	100%	0%	0%	0	796	754	772
8		नॉर्थ चेंनई पूलिंग NORTH CHENNAI PS	0%	100%	0%	0%	2	807	753	778
9		रायपुर राचुर RAICHUR	0%	100%	0%	0%	1	802	755	777
10		श्रीकाकुलम SRIKAKULAM	0%	98%	2%	2%	13	813	738	776
11		तिरुवल्लम THIRUVALEM	0%	100%	0%	0%	1	803	749	773
12		वेमगिरि VEMAGIRI	0%	97%	3%	3%	24	811	753	781
13		वारंगल WARANGAL	0%	98%	2%	2%	14	811	748	778
1	पूर्वोत्तर क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	0	416	376	401
2		बिस्वनाथ चरित्रालि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	416	376	401
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	415	397	407
4		बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	416	399	408
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	416	390	403
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	416	393	406
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	418	392	403
8		अज़रा AZARA (400 kV)	0%	100%	0%	0%	0	413	402	407
9		मिसा MISA (400 kV)	0%	100%	0%	0%	0	414	392	401
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	415	393	405
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	417	387	405
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	0	412	395	405
13		पुर्वकचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	414	393	402
14		रंगानदी RANGANADI (400 kV)	0%	100%	0%	0%	0	420	393	404
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	417	396	406
16		सुज्यामनिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	412	394	400
17		थोबाल THOUBAL (400 kV)	0%	100%	0%	0%	0	411	386	398

All listed stations are 765 kV stations unless otherwise mentioned

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

Monthly Angular spread w.r.to Vindhyachal_March-2025

