

**GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

Date: 04-Mar-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	4	1.00	0.15
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 JANUARY 2025

Date of reporting:

04-Mar-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-Feb-25	4.09	80.10	15.81	19.90	4:46	50.00
02-Feb-25	2.28	82.43	15.29	17.57	4:13	50.01
03-Feb-25	6.46	76.48	17.06	23.52	5:38	50.02
04-Feb-25	5.75	78.08	16.17	21.92	5:15	50.00
05-Feb-25	9.57	74.84	15.59	25.16	6:02	49.99
06-Feb-25	2.23	67.92	29.85	32.08	7:42	49.99
07-Feb-25	6.15	77.06	16.79	22.94	5:30	50.00
08-Feb-25	6.76	77.16	16.08	22.84	5:28	50.00
09-Feb-25	5.01	79.03	15.96	20.97	5:02	50.00
10-Feb-25	8.13	74.04	17.84	25.96	6:13	50.00
11-Feb-25	4.50	79.91	15.59	20.09	4:49	50.00
12-Feb-25	6.83	77.69	15.49	22.31	5:21	50.01
13-Feb-25	4.65	79.03	16.32	20.97	5:02	49.99
14-Feb-25	4.04	75.76	20.20	24.24	5:49	49.99
15-Feb-25	4.02	77.88	18.10	22.12	5:18	50.00
16-Feb-25	7.84	70.58	21.59	29.42	7:03	49.97
17-Feb-25	8.02	75.65	16.33	24.35	5:50	50.00
18-Feb-25	6.85	72.72	20.43	27.28	6:32	49.99
19-Feb-25	12.06	70.71	17.23	29.29	7:01	50.00
20-Feb-25	11.94	72.67	15.38	27.33	6:33	49.99
21-Feb-25	9.05	72.63	18.32	27.37	6:34	49.99
22-Feb-25	8.54	77.36	14.10	22.64	5:26	49.98
23-Feb-25	3.84	78.18	17.97	21.82	5:14	49.99
24-Feb-25	2.72	75.17	22.11	24.83	5:57	50.00
25-Feb-25	7.52	74.21	18.26	25.79	6:11	50.00
26-Feb-25	3.26	70.54	26.19	29.46	7:04	49.99
27-Feb-25	7.11	64.46	28.44	35.54	8:31	50.02
28-Feb-25	5.63	77.44	16.93	22.56	5:24	50.00
February 2025	6.24	75.35	18.41	24.65	165:39	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 स्वरूपा माह - फरवरी 2025

VOLTAGE PROFILE - February 2025

Date of reporting: 04-Mar-25

क्र.स. 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.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)	
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	0	804	749	768	
2		दरिपली DARLIPALI	0%	100%	0%	0%	0	789	761	773	
3		गया GAYA	0%	100%	0%	0%	0	784	746	763	
4		जैरात JEEARAT	0%	100%	0%	0%	0	782	736	758	
5		झारसुगडा JHARSUGUDA	0%	100%	0%	0%	0	798	765	781	
6		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	788	744	766	
7		रांची RANCHI	0%	100%	0%	0%	0	794	761	778	
8		सासाराम SASARAM	0%	100%	0%	0%	2	797	720	762	
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	800	748	779	
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	801	745	777	
3		अजमेर AJMER	0%	99%	1%	1%	6	807	752	783	
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	798	748	777	
5		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	784	760	772	
6		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	781	757	768	
7		अन्ता ANTA	0%	100%	0%	0%	0	799	754	779	
8		बलिया BALLIA	0%	100%	0%	0%	0	789	742	767	
9		बारा BARA	0%	100%	0%	0%	0	784	753	769	
10		भोडला BHADLA	0%	100%	0%	0%	0	796	757	777	
11		भोडला-2 BHADLA-2	0%	100%	0%	0%	0	801	751	780	
12		भिवानी BHIWANI	0%	99%	1%	1%	8	805	751	783	
13		बीकानेर BIKANER	0%	100%	0%	0%	0	802	744	780	
14		बरेली BAREILLY	0%	100%	0%	0%	0	808	739	777	
15		चित्तौड़गढ़ CHITTOGARH	0%	100%	1%	1%	7	805	751	782	
16		फतेहगढ़-2 FATEHGARH-2	0%	100%	0%	0%	0	796	748	776	
17		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	791	743	767	
18		घाटमपुर GHATAMPUR	0%	100%	0%	0%	0	791	738	773	
19		ग्रेटर नोएडा GREATER NOIDA	0%	100%	0%	0%	3	803	750	782	
20		हापड़ HAPUR	0%	100%	0%	0%	1	808	741	778	
21		जवाहरपुर JAWAHARPUR	0%	100%	0%	0%	0	793	734	770	
22		झुंझार JHATIKAARA	0%	100%	0%	0%	0	800	748	779	
23		कानपुर जीआरएस KANPUR GIS	0%	100%	0%	0%	0	791	745	771	
24		खैती KHETRI	0%	100%	0%	0%	0	802	752	781	
25		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	801	738	772	
26		ललितपुर LALITPUR	0%	100%	0%	0%	0	775	735	761	
27		लखनऊ LUCKNOW	0%	100%	0%	0%	0	795	743	766	
28		मैनपुरी MAINPURI	0%	100%	0%	0%	0	793	730	767	
29		मेरठ MEERUT	0%	99%	1%	1%	8	804	745	781	
30		मेरठ(UP) MEERUT (UP)	0%	100%	0%	0%	0	806	741	778	
31		मोगा MOGA	0%	100%	0%	0%	1	802	739	777	
32		ओबरा सी OBRA C	0%	100%	0%	0%	0	777	753	765	
33		उरई ORAI	0%	100%	0%	0%	2	804	760	785	
34		फागी PHAGI	0%	100%	0%	0%	1	803	731	781	
35		रामपुर RAMPUR	0%	95%	3%	3%	23	812	750	786	
36		उन्नाव UNNAO	0%	100%	0%	0%	0	789	742	769	
37	वाराणसी VARANASI	0%	100%	0%	0%	0	790	754	772		
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	793	745	773	
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	800	749	775	
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	789	745	768	
4		भुज BHUJ	0%	100%	0%	0%	0	799	748	775	
5		भुज-2 BHUJ-II	0%	100%	0%	0%	0	795	745	771	
6		बिलासपुर BILASPUR	0%	100%	0%	0%	0	777	747	762	
7		बीना BINA	0%	100%	0%	0%	0	795	757	778	
8		बनसकंठा BANASKANTHA	0%	99%	1%	1%	5	805	749	783	
9		चापा CHAMPA	0%	100%	0%	0%	2	802	766	786	
10		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	797	747	772	
11		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	785	753	769	
12		रायपुर पोलिंग RAIPUR POOLING	0%	100%	0%	0%	0	794	760	779	
13		एकतनी EKTUNI	0%	100%	0%	0%	0	790	740	769	
14		गदरवाड़ा GADARWARA	0%	100%	0%	0%	0	795	756	778	
15		ग्वालियर GWALIOR	0%	100%	0%	0%	0	799	753	781	
16		इन्दौर INDORE	0%	100%	0%	0%	0	792	741	770	
17		जबलपुर JABALPUR	0%	100%	0%	0%	0	798	762	782	
18		खण्डवा KHANDWA	0%	100%	0%	0%	0	796	746	772	
19		कोरडी KORADI	0%	100%	0%	0%	0	783	748	767	
20		लकाडिया LAKADIYA	0%	93%	1%	1%	9	811	705	781	
21		रायगढ़ पोलिंग RAIGARH POOLING	0%	100%	0%	0%	0	791	766	780	
22		पड़घे PADGHE	0%	100%	0%	0%	0	803	747	775	
23		परली PARLI	0%	100%	0%	0%	2	804	751	778	
24		पुणे PUNE	0%	100%	0%	0%	2	806	751	779	
25		राजनन्दगांव RAJNANDGAON	0%	100%	0%	0%	0	801	760	781	
26		सासन SASAN	0%	100%	0%	0%	0	788	762	775	
27		सतना SATNA	0%	100%	0%	0%	0	798	763	781	
28		सिवनी SEONI	0%	100%	0%	0%	0	790	750	772	
29		सीपत SIPAT	0%	100%	0%	0%	0	774	748	763	
30		सोलापुर SOLAPUR	0%	100%	0%	0%	2	804	753	780	
31		तिरुवा TIRORA	0%	100%	0%	0%	0	776	751	764	
32		तामनार TAMNAR	0%	100%	0%	0%	0	790	766	778	
33		वडोदरा VADODARA	0%	100%	0%	0%	2	803	741	777	
34		विंध्याचल पोलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	792	764	778	
35		वर्धा WARDHA	0%	100%	0%	0%	1	806	752	778	
36		वरोरा WARORA	0%	100%	0%	0%	0	799	748	775	
1	दक्षिणी क्षेत्र SR	अरियलर ARIYALUR	0%	100%	0%	0%	0	801	743	774	
2		कुडपा CUDDAPAH	0%	98%	2%	2%	16	808	759	778	
3		चिल्कलुरीपेट CHILAKALURIPETA	0%	100%	0%	0%	0	800	740	774	
4		कर्नूल KURNOOL	0%	100%	0%	0%	0	797	741	771	
5		महेश्वरम MAHESWARAM	0%	96%	4%	4%	25	811	743	779	
6		निजामाबाद NIZAMABAD	0%	90%	10%	10%	65	814	745	781	
7		नेल्लूर पोलिंग NELLORE PS	0%	100%	0%	0%	0	793	746	771	
8		नॉर्थ चेंनै पोलिंग NORTH CHENNAI PS	0%	100%	0%	0%	1	802	737	778	
9		रायचूर RAICHUR	0%	100%	0%	0%	0	801	747	776	
10		श्रीकाकुलम SRIKAKULAM	0%	100%	0%	0%	0	801	738	770	
11		तिरुवल्लम THIRUVALEM	0%	100%	0%	0%	0	798	747	773	
12		वैमगिरी VEMAGIRI	0%	100%	0%	0%	0	801	742	772	
13		वारंगल WARANGAL	0%	98%	2%	2%	10	805	748	779	
1		पूर्वोत्तर क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	0	414	394	404
2			बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	415	394	404
3			बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	416	402	409
4			बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	417	403	410
5	इम्फाल IMPHAL (400 kV)		0%	100%	0%	0%	0	417	395	405	
6	बर्निहाट BYRNIHAT (400 kV)		0%	100%	0%	0%	2	421	399	411	
7	कामेंग KAMENG (400 kV)		0%	100%	0%	0%	0	416	394	403	
8	अज़ारा AZARA (400 kV)		0%	100%	0%	0%	0	412	403	408	
9	मीसा MISA (400 kV)		0%	100%	0%	0%	0	413	393	402	
10	न्यू मारिआन NEW MARIANI (400 kV)		0%	100%	0%	0%	0	417	396	406	
11	न्यू कोहिमा NEW KOHIMA (400 kV)		0%	100%	0%	0%	0	419	394	406	
12	पालाटाना PALATANA (400 kV)		0%	100%	0%	0%	0	413	401	406	
13	पुर्वकच्यबाड़ी PK BARI (400 kV)		0%	100%	0%	0%	0	411	393	402	
14	रंगानादी RANGANADI (400 kV)		0%	100%	0%	0%	0	415	392	403	
15	सिलचर SILCHAR (400 kV)		0%	100%	0%	0%	0	418	400	408	
16	सुर्ज्यामणिनगर SURJYAMANINAGAR (400 kV)		0%	100%	0%	0%	0	409	394	401	
17	थोबाल THOUBAL (400 kV)		0%	100%	0%	0%	0	407	399	403	

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_Feb-2025

- AGRA_PG ALIPU_PG BACHU_PG BONGA_PG CHDPR_MH DURG4_WB GJWKA_PG
- HOSUR_PG KALW4_MH KISNP_PG KOLAR_PG KOTA_PG KSTPS_GS MOGA_PG
- PATNA_PG PURNW_PG SILCR_PG TALCH_PG TCHRN_PG VINDP_PG

