

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

Date: **05-Apr-2023**

System Reliability Indices Report for the month of March 2023

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 2023

Date of reporting:

05-Apr-23

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-23	3.60	64.39	32.01	35.61	8:32	50.02
02-Mar-23	8.45	64.87	26.68	35.13	8:25	50.01
03-Mar-23	7.44	67.56	25.00	32.44	7:47	50.00
04-Mar-23	11.27	62.80	25.93	37.20	8:55	50.00
05-Mar-23	4.58	67.14	28.28	32.86	7:53	50.01
06-Mar-23	5.36	58.52	36.12	41.48	9:57	50.02
07-Mar-23	14.78	55.96	29.26	44.04	10:34	49.99
08-Mar-23	3.55	66.33	30.12	33.67	8:04	50.02
09-Mar-23	4.91	66.02	29.07	33.98	8:09	50.01
10-Mar-23	10.64	66.68	22.69	33.32	7:59	49.99
11-Mar-23	9.47	69.77	20.76	30.23	7:15	49.99
12-Mar-23	11.49	66.93	21.57	33.07	7:56	49.99
13-Mar-23	8.83	65.06	26.11	34.94	8:23	50.00
14-Mar-23	6.05	68.32	25.63	31.68	7:36	50.01
15-Mar-23	8.83	70.87	20.30	29.13	6:59	49.99
16-Mar-23	4.04	63.61	32.35	36.39	8:44	50.02
17-Mar-23	4.27	62.27	33.46	37.73	9:03	50.03
18-Mar-23	10.53	61.99	27.48	38.01	9:07	50.00
19-Mar-23	4.27	62.27	33.46	37.73	9:03	50.03
20-Mar-23	8.31	60.68	31.01	39.32	9:26	50.01
21-Mar-23	9.50	65.68	24.81	34.32	8:14	50.00
22-Mar-23	10.51	66.33	23.16	33.67	8:04	49.99
23-Mar-23	13.46	66.39	20.15	33.61	8:04	49.99
24-Mar-23	11.01	65.42	23.58	34.58	8:18	49.99
25-Mar-23	16.12	69.79	14.09	30.21	7:15	49.97
26-Mar-23	8.36	72.47	19.18	27.53	6:36	49.99
27-Mar-23	8.28	70.36	21.37	29.64	7:06	50.00
28-Mar-23	12.75	71.78	15.46	28.22	6:46	49.98
29-Mar-23	22.03	61.30	16.68	38.70	9:17	49.96
30-Mar-23	10.60	60.09	29.31	39.91	9:34	50.00
31-Mar-23	5.57	66.71	27.72	33.29	7:59	50.01
March 2023	9.00	65.43	25.57	34.57	257:11	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 - मार्च 2023

VOLTAGE PROFILE - MARCH 2023

Date of reporting: 05-Apr-23

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.वॉ.) Maximum(kV)	निम्नतम(कि.वॉ.) Minimum(kV)	औसत (कि.वॉ.) Average(kV)	
1	पूर्वी क्षेत्र ER	अंगुल ANGUL	0%	100%	0%	0%	0	793	744	768	
2		दालिपली DARLIPALI	0%	100%	0%	0%	0	788	761	777	
3		गया GAYA	0%	100%	0%	0%	0	787	756	772	
4		जौरत JERAT	0%	100%	0%	0%	0	784	734	761	
5		झारसुगुडा JHARSUGUDA	0%	100%	0%	0%	0	800	769	786	
6		मिदिनपुर MEDINIPUR	0%	100%	0%	0%	0	786	745	770	
7		रान्ची RANCHI	0%	100%	0%	0%	0	797	764	783	
8		सासाराम SASARAM	0%	100%	0%	0%	1	803	743	770	
1		उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	1	805	750	779
2			आगरा (फतेहगढ़) AGRA (FATEHABAD)	0%	100%	0%	0%	0	792	752	774
3	अजमेर AJMER		0%	99%	1%	1%	9	808	755	784	
4	अलीगढ़ ALIGARH		0%	100%	0%	0%	0	799	752	777	
5	अनूपरा सी ANPARA-C		0%	100%	0%	0%	0	775	753	764	
6	अनूपरा डी ANPARA-D		0%	100%	0%	0%	0	775	750	763	
7	अन्ता ANTA		0%	99%	1%	1%	7	808	763	784	
8	बलिया BALLIA		0%	100%	0%	0%	0	787	739	766	
9	बारा BARA		0%	100%	0%	0%	1	791	698	773	
10	भाडला BHADLA		0%	100%	0%	0%	0	800	739	776	
11	भाडला-2 BHADLA-2		0%	100%	0%	0%	0	802	727	775	
12	भिवानी BHIWANI		0%	100%	0%	0%	2	809	758	782	
13	बीकानेर BIKANER		0%	100%	0%	0%	0	800	741	776	
14	बरौली BAREILLY		0%	99%	1%	1%	5	811	747	779	
15	चित्तौड़गढ़ CHITTORGARH		0%	99%	1%	1%	4	809	748	782	
16	फतेहगढ़-2 FATEHGARH-2		0%	100%	0%	0%	0	799	728	773	
17	फतेहपुर FATEHPUR		0%	100%	0%	0%	0	797	738	771	
18	ग्रेटर नोइडा GREATER NOIDA		0%	100%	0%	0%	2	804	759	784	
19	हापड़ HAPUR		0%	99%	1%	1%	4	811	728	781	
20	जाहलपुर JAWAHARPUR		0%	100%	0%	0%	0	764	763	764	
21	झाड़कपुर JHATIKARA		0%	100%	0%	0%	0	797	750	778	
22	कानपुर जीआरएस KANPUR GIS		0%	100%	0%	0%	0	798	744	772	
23	खैतरी KHETRI		0%	100%	0%	0%	0	800	751	779	
24	कोटेश्वर KOTESHWAR		0%	100%	0%	0%	3	805	750	776	
25	ललितपुर LALITPUR		0%	100%	0%	0%	0	773	748	761	
26	लखनऊ LUCKNOW		0%	100%	0%	0%	0	799	745	771	
27	मैनपुरी MAINPURI		0%	100%	0%	0%	2	806	759	781	
28	मेरठ MEERUT		0%	99%	1%	1%	10	807	753	783	
29	मोगा MOGA		0%	100%	0%	0%	0	806	743	773	
30	ओबरा सी OBRA C		0%	0%	0%	0%	0	0	0	0	
31	उरई ORAI	0%	99%	1%	1%	11	807	754	785		
32	फागी PHAGI	0%	100%	0%	0%	3	806	757	783		
33	उन्नाव UNNAO	0%	100%	0%	0%	0	790	731	760		
34	वाराणसी VARANASI	0%	100%	0%	0%	0	794	739	776		
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	794	750	773	
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	803	753	778	
3		भोपाल (बीडीटीसीएच) BHOPAL (BDTCL)	0%	100%	0%	0%	0	796	748	772	
4		भुज BHUJ	0%	100%	0%	0%	0	804	738	773	
5		भुज-2 BHUJ-2	0%	100%	0%	0%	0	801	744	773	
6		बिलासपुर BILASPUR	0%	100%	0%	0%	0	787	757	773	
7		बीना BINA	0%	100%	0%	0%	1	801	756	781	
8		बनारसकांठा BANASKANTHA	0%	98%	2%	2%	11	814	751	781	
9		चांपा CHAMPA	0%	92%	8%	8%	60	811	773	791	
10		धुले (बीडीटीसीएच) DHULE (BDTCL)	0%	100%	0%	0%	0	800	751	775	
11		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	791	756	776	
12		रायपुर पूलिंग RAIPUR POOLING	0%	100%	0%	0%	0	800	760	783	
13		एकतुनी EKTUNI	0%	100%	0%	0%	0	794	744	769	
14		गदरवाड़ा GADARWARA	0%	100%	0%	0%	2	804	766	785	
15		ग्वालियर GWALIOR	0%	99%	1%	1%	4	809	756	783	
16		इंदौर INDORE	0%	100%	0%	0%	0	797	749	773	
17		जबलपुर JABALPUR	0%	98%	2%	2%	17	806	766	788	
18		खडवा KHANDWA	0%	100%	0%	0%	0	800	753	775	
19		कोरडी KORADI	0%	100%	0%	0%	0	783	748	767	
20		लखडिया LAKADIYA	0%	96%	4%	4%	32	818	752	784	
21		ससांग पूलिंग RAIGARH POOLING	0%	100%	0%	0%	3	803	773	788	
22		पाण्डे PADDHE	0%	99%	1%	1%	8	811	747	780	
23		पार्ली PARLI	0%	100%	0%	0%	1	804	755	780	
24		पुणे PUNE	0%	98%	2%	2%	14	813	742	779	
25		राजनन्दगाँव RAJNANDGAON	0%	97%	3%	3%	22	809	768	789	
26		सासन SASAN	0%	100%	0%	0%	0	792	763	778	
27		सतना SATNA	0%	100%	0%	0%	2	804	766	784	
28		सिबनी SEONI	0%	100%	0%	0%	0	798	755	775	
29		सीपत SIPAT	0%	100%	0%	0%	0	787	760	774	
30		सोलापुर SOLAPUR	0%	100%	0%	0%	4	809	756	783	
31		तिरुंगा TIRORA	0%	100%	0%	0%	0	778	751	764	
32		तामनार TAMNAR	0%	100%	0%	0%	0	801	773	786	
33		वडोदरा VADODARA	0%	99%	1%	1%	4	807	747	778	
34		विंध्याचल पूलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	797	766	781	
35		वर्धा WARDHA	0%	100%	0%	0%	3	808	751	781	
36		वरौरा WARORA	0%	100%	0%	0%	1	802	759	781	
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	98%	2%	2%	15	813	750	778	
2		चिन्कलरीपेट CHILAKALURIPETA	0%	99%	1%	1%	8	813	742	775	
3		कुरनूल KURNOOL	0%	100%	0%	0%	0	798	740	768	
4		महेश्वर MAHESHWARAM	0%	96%	4%	4%	32	820	733	774	
5		निजामाबाद NIZAMABAD	0%	89%	11%	11%	81	822	738	781	
6		नेल्लोर पूलिंग NELLORE PS	0%	100%	0%	0%	0	798	745	769	
7		रायचूर RAICHUR	0%	100%	0%	0%	0	805	746	774	
8		श्रीकाकुलम SRIKAKULAM	0%	100%	0%	0%	0	801	743	776	
9		तिरुवल्लूर THIRUVALEM	0%	100%	0%	0%	0	798	732	764	
10		वेमगिरी VEMAGIRI	0%	100%	0%	0%	2	807	747	778	
1	पूर्वोत्तर 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	413	386	400	
3		बोंगाईगाँव BONGAIGAOON (400 kV)	0%	100%	0%	0%	0	417	399	408	
4		बोंगाईगाँव टीपीएस BONGAIGAOON TPS (400 kV)	0%	100%	0%	0%	0	420	402	411	
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	419	389	404	
6		बर्निहाट BYRNihat (400 kV)	0%	100%	0%	0%	0	420	401	410	
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	415	394	403	
8		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	403	393	398	
9		मिसा MISA (400 kV)	0%	100%	0%	0%	0	413	391	402	
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	417	395	405	
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	420	395	406	
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	0	415	399	407	
13		पुर्बचनवारी PK BARI (400 kV)	0%	100%	0%	0%	0	415	393	403	
14		रंगानादी RANGANADI (400 kV)	0%	99%	0%	1%	4	422	397	410	
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	417	396	407	
16		सुबान्सिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0	
17		सुरज्यामनिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	413	392	402	
18		थोबाल THOUBAL (400 kV)	1%	99%	0%	1%	6	408	372	389	

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

Monthly All India Angular spread w.r.to Vindhyachal_Mar-2023

AGRA_PG ALIPU_PG BACHU_PG BALIP_PG BONGA_PG CHDPR_MH DURG4_WB FARAK_PG
GJWKA_PG HOSUR_PG KALW4_MH KOLAR_PG KOTA_PG KSTPS_GS KZKDE_PG PATNA_PG
PURNW_PG RHNHV_PG SILCR_PG TALCH_PG TCHRN_PG UNNAO_UP VINDP_PG

