

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

Date: **05-Jul-2023**

System Reliability Indices Report for the month of June 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 JUNE 2023

Date of reporting:

05-Jul-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-Jun-23	3.04	62.96	33.99	37.04	8:53	50.02
02-Jun-23	11.06	71.60	17.34	28.40	6:49	49.99
03-Jun-23	10.73	65.68	23.59	34.32	8:14	49.99
04-Jun-23	14.02	65.19	20.80	34.81	8:21	49.98
05-Jun-23	3.63	61.05	35.31	38.95	9:20	50.02
06-Jun-23	5.24	63.58	31.18	36.42	8:44	50.02
07-Jun-23	1.96	68.66	29.39	31.34	7:31	50.02
08-Jun-23	3.74	66.38	29.88	33.62	8:04	50.02
09-Jun-23	1.91	69.36	28.73	30.64	7:21	50.02
10-Jun-23	4.26	73.51	22.23	26.49	6:21	50.00
11-Jun-23	12.47	71.41	16.12	28.59	6:51	49.98
12-Jun-23	1.24	65.34	33.43	34.66	8:19	50.03
13-Jun-23	4.88	58.85	36.26	41.15	9:52	50.03
14-Jun-23	14.81	61.71	23.47	38.29	9:11	49.99
15-Jun-23	18.78	60.30	20.91	39.70	9:31	49.97
16-Jun-23	8.38	69.04	22.58	30.96	7:25	50.00
17-Jun-23	8.97	65.71	25.32	34.29	8:13	50.00
18-Jun-23	2.35	69.71	27.94	30.29	7:16	50.02
19-Jun-23	3.58	72.94	23.48	27.06	6:29	50.01
20-Jun-23	3.48	74.02	22.50	25.98	6:14	50.01
21-Jun-23	8.53	76.09	15.38	23.91	5:44	49.99
22-Jun-23	3.44	71.12	25.44	28.88	6:55	50.01
23-Jun-23	7.75	70.10	22.14	29.90	7:10	50.00
24-Jun-23	3.28	77.57	19.16	22.43	5:23	50.00
25-Jun-23	0.91	69.22	29.86	30.78	7:23	50.02
26-Jun-23	7.35	69.87	22.78	30.13	7:13	50.00
27-Jun-23	7.05	58.76	34.19	41.24	9:53	50.02
28-Jun-23	2.71	75.38	21.91	24.62	5:54	50.01
29-Jun-23	6.38	66.49	27.13	33.51	8:02	50.01
30-Jun-23	8.22	63.02	28.76	36.98	8:52	50.01
June 2023	6.47	67.82	25.71	32.18	231:41	50.01

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

विद्युत विभव रूपरेखा माह - जून 2023

VOLTAGE PROFILE - JUNE 2023

Date of reporting: 05-Jul-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	797	751	774
2		दालिपली DARLIPALI	0%	100%	0%	0%	0	793	767	778
3		गया GAYA	0%	100%	0%	0%	0	782	743	761
4		जौरत JERAT	0%	99%	1%	1%	4	806	733	770
5		झारसुगुडा JHARSUGUDA	0%	100%	0%	0%	1	802	772	786
6		मिदिनपुर MEDINIPUR	0%	100%	0%	0%	0	807	743	772
7		रान्ची RANCHI	0%	100%	0%	0%	0	791	760	781
8		सासाराम SASARAM	0%	100%	0%	0%	0	787	745	767
1		आगरा AGRA	0%	100%	0%	0%	0	801	747	778
2		आगरा (फतेहगढ़) AGRA (FATEHABAD)	0%	100%	0%	0%	0	791	733	768
3		अजमेर AJMER	0%	100%	0%	0%	2	805	755	780
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	799	744	773
5		अनूपरा सी ANPARA-C	0%	100%	0%	0%	0	776	748	764
6		अनूपरा डी ANPARA-D	0%	100%	0%	0%	0	776	748	762
7	अन्ता ANTA	0%	99%	1%	1%	4	802	767	785	
8	बलिया BALLIA	0%	100%	0%	0%	0	791	738	767	
9	बारा BARA	0%	100%	0%	0%	0	785	761	773	
10	भादला BHADLA	0%	100%	0%	0%	0	795	744	771	
11	भादला-2 BHADLA-2	0%	100%	0%	0%	0	801	745	773	
12	भिवानी BHIWANI	0%	100%	0%	0%	0	799	753	776	
13	बीकानेर BIKANER	0%	100%	0%	0%	0	798	749	771	
14	बरौली BAREILLY	0%	100%	0%	0%	3	806	743	772	
15	चित्तौड़गढ़ CHITTORGARH	0%	99%	1%	1%	6	805	757	782	
16	फतेहगढ़-2 FATEHGARH-2	0%	100%	0%	0%	0	797	741	770	
17	फतेहगढ़ FATEHPUR	0%	100%	0%	0%	0	792	740	770	
18	ग्रेटर नोइडा GREATER NOIDA	0%	100%	0%	0%	0	801	747	774	
19	हावड़ा HAPUR	0%	99%	1%	1%	5	809	734	769	
20	जावाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0	
21	झटिकरा JHATIKARA	0%	100%	0%	0%	0	792	744	769	
22	कानपुर जीआरएस KANPUR GIS	0%	100%	0%	0%	0	790	743	769	
23	खैतरी KHETRI	0%	100%	0%	0%	0	796	742	770	
24	कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	797	739	770	
25	ललितपुर LALITPUR	0%	100%	0%	0%	0	773	744	757	
26	लखनऊ LUCKNOW	0%	100%	0%	0%	0	795	741	767	
27	मैनपुरी MAINPURI	0%	100%	0%	0%	0	801	749	778	
28	मेरठ MEERUT	0%	100%	0%	0%	2	803	746	775	
29	मोगा MOGA	0%	100%	0%	0%	0	803	739	767	
30	ओबरा सी OBRA C	0%	100%	0%	0%	0	769	747	755	
31	उरई ORAI	0%	99%	1%	1%	4	805	755	784	
32	फागी PHAGI	0%	100%	0%	0%	0	801	754	780	
33	उन्नाव UNNAO	0%	100%	0%	0%	0	785	729	760	
34	वाराणसी VARANASI	0%	100%	0%	0%	0	791	749	771	
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	795	749	775
2		औरंगाबाद AURANGABAD	0%	99%	1%	1%	4	804	751	780
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	794	747	774
4		भुज BHUJ	0%	100%	0%	0%	0	800	749	775
5		भुज-2 BHUJ-2	0%	100%	0%	0%	0	795	747	771
6		बिलासपुर BILASPUR	0%	100%	0%	0%	0	791	758	773
7		बीना BINA	0%	100%	0%	0%	0	799	760	780
8		बनारसकांठा BANASKANTHA	0%	99%	1%	1%	4	806	760	783
9		चम्पा CHAMPA	0%	94%	6%	6%	43	810	765	790
10		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	797	747	776
11		धर्मजयगढ़ DHARAMJAI GARH	0%	100%	0%	0%	0	786	760	772
12		रायपुर पोलिंग RAIPUR POOLING	0%	100%	0%	0%	0	798	770	783
13		एकतुनी EKTUNI	0%	100%	0%	0%	0	796	744	771
14		गदरवाड़ा GADARWARA	0%	100%	0%	0%	0	801	770	784
15		ग्वालियर GWALIOR	0%	100%	0%	0%	1	802	753	781
16		इंदौर INDORE	0%	100%	0%	0%	0	790	747	771
17		जबलपुर JABALPUR	0%	100%	0%	0%	1	802	765	785
18		खडवा KHANDWA	0%	100%	0%	0%	0	791	749	773
19		कोरडी KORADI	0%	100%	0%	0%	0	786	751	768
20		लकडिया LAKADIYA	0%	98%	2%	2%	11	809	752	784
21		ससांग पोलिंग RAIGARH POOLING	0%	100%	0%	0%	0	800	769	787
22		पाटने PADGHE	0%	99%	1%	1%	8	805	745	778
23		पार्ली PARLI	0%	99%	1%	1%	8	806	749	782
24		पुणे PUNE	0%	99%	1%	1%	7	810	738	775
25		राजनन्दगाँव RAJNANDGAON	0%	97%	3%	3%	24	808	709	790
26		सासन SASAN	0%	100%	0%	0%	0	789	762	775
27		सतना SATNA	0%	100%	0%	0%	0	789	763	779
28		सिवनी SEONI	0%	100%	0%	0%	0	801	760	779
29		सीपत SIPAT	0%	100%	0%	0%	0	793	761	774
30		सोलापुर SOLAPUR	0%	98%	2%	2%	13	806	752	784
31		तिरोडा TIRODA	0%	100%	0%	0%	0	778	752	765
32		तामनार TAMNAR	0%	100%	0%	0%	0	799	773	786
33		वडोदरा VADODARA	0%	98%	2%	2%	11	805	745	782
34		विन्ध्याचल पोलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	791	757	778
35		वर्धा WARDHA	0%	99%	1%	1%	9	808	761	786
36		वरार WARORA	0%	100%	0%	0%	0	802	758	782
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	93%	7%	7%	49	815	758	785
2		चिल्करीपेट CHILAKALURIPETA	0%	99%	1%	1%	4	814	749	780
3		कुरनूल KURNOOL	0%	100%	0%	0%	0	797	748	775
4		महेश्वर MAHESHWARAM	0%	100%	0%	0%	2	802	744	776
5		निजामाबाद NIZAMABAD	0%	90%	10%	10%	74	810	755	789
6		नेल्लोर पोलिंग NELLORE PS	0%	100%	0%	0%	0	797	752	773
7		रायचूर RAICHUR	0%	100%	0%	0%	0	799	752	779
8		श्रीकाकुलम SRIKAKULAM	0%	98%	2%	2%	15	805	750	784
9		तिरुवल्लूर THIRUVALEM	0%	99%	1%	1%	7	804	743	773
10		वेमगिरी VEMAGIRI	0%	97%	3%	3%	19	808	752	785
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	416	363	406
3		बोंगाईगाँव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	416	392	406
4		बोंगाईगाँव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	418	401	409
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	417	394	405
6		बर्निहाट BYRNihat (400 kV)	0%	100%	0%	0%	0	419	400	410
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	412	393	402
8		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	400	387	396
9		मिसा MISA (400 kV)	0%	100%	0%	0%	0	415	393	403
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	419	387	406
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	420	393	406
12		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	0	416	399	407
13		पुबकचनवारी PK BARI (400 kV)	0%	100%	0%	0%	0	415	379	404
14		रंगानादी RANGANADI (400 kV)	0%	100%	0%	0%	0	418	399	408
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	418	396	407
16		सुबान्सिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0
17		सूर्ययामानिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	415	387	403
18		थोउबाल THOUBAL (400 kV)	0%	100%	0%	0%	0	407	381	394

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_Jun-2023

