

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

Date: **03-Jun-2022**

System Reliability Indices Report for the month of May 2022

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	1	0.25	0.03
2	ER-NR	35	8.75	1.18
3	Import of NR	1	0.25	0.03
4	NEW-SR	2	0.50	0.07
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	1	0.25	0.03
2	ER-NR	8	2.00	0.27
3	Import of NR	1	0.25	0.03
4	NEW-SR	2	0.50	0.07
4	NER Import	2	0.50	0.07

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 MAY 2022

Date of reporting:

03-Jun-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-May-22	7.99	60.13	31.89	39.87	9:34	50.02
02-May-22	15.07	66.35	18.58	33.65	8:04	49.99
03-May-22	22.59	57.82	19.58	42.18	10:07	49.97
04-May-22	6.06	73.98	19.95	26.02	6:14	50.01
05-May-22	19.75	69.75	10.51	30.25	7:15	49.96
06-May-22	11.93	72.19	15.88	27.81	6:40	49.99
07-May-22	10.90	71.50	17.59	28.50	6:50	50.00
08-May-22	5.64	74.87	19.49	25.13	6:01	50.00
09-May-22	4.63	76.39	18.98	23.61	5:40	50.01
10-May-22	14.64	75.45	9.91	24.55	5:53	49.97
11-May-22	5.25	82.07	12.67	17.93	4:18	50.00
12-May-22	1.35	71.10	27.55	28.90	6:56	50.03
13-May-22	1.47	80.60	17.93	19.40	4:39	50.01
14-May-22	4.06	66.30	29.64	33.70	8:05	50.02
15-May-22	5.17	65.95	28.88	34.05	8:10	50.02
16-May-22	1.52	78.10	20.38	21.90	5:15	50.02
17-May-22	10.74	80.61	8.65	19.39	4:39	49.98
18-May-22	30.63	64.05	5.32	35.95	8:37	49.93
19-May-22	14.00	75.66	10.34	24.34	5:50	49.98
20-May-22	0.76	79.99	19.25	20.01	4:48	50.02
21-May-22	2.85	57.72	39.43	42.28	10:08	50.04
22-May-22	4.12	68.72	27.16	31.28	7:30	50.03
23-May-22	3.31	63.85	32.84	36.15	8:40	50.04
24-May-22	22.40	68.01	9.59	31.99	7:40	49.96
25-May-22	25.25	68.33	6.41	31.67	7:36	49.95
26-May-22	4.09	76.49	19.42	23.51	5:38	50.01
27-May-22	3.07	76.84	20.09	23.16	5:33	50.01
28-May-22	16.81	72.21	10.98	27.79	6:40	49.98
29-May-22	9.76	80.96	9.28	19.04	4:34	49.99
30-May-22	14.83	77.40	7.78	22.60	5:25	49.98
31-May-22	4.16	85.66	10.19	14.34	3:26	50.00
May 2022	9.83	72.23	17.94	27.77	206:37	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 - मई 2022

VOLTAGE PROFILE - May 2022

Date of reporting: 03-Jun-22

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.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	745	777
2		दालिपली DARLIPALI	0%	100%	0%	0%	0	792	763	776
3		गया GAYA	0%	100%	0%	0%	0	784	746	765
4		जीरत JEERAT	0%	100%	0%	0%	0	806	739	768
5		झारसुगड़ा JHARSUGUDA	0%	100%	0%	0%	2	803	769	785
6		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	802	754	773
7		रांची RANCHI	0%	100%	0%	0%	0	796	766	781
8		सासाराम SASARAM	0%	100%	0%	0%	0	790	746	768
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	99%	0%	0%	2	802	724	778
2		आगरा (फतेहबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	797	732	767
3		अजमेर AJMER	0%	98%	2%	2%	17	808	751	781
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	800	747	773
5		अनूपरा सी ANPARA-C	0%	100%	0%	0%	0	780	756	767
6		अनूपरा डी ANPARA-D	0%	100%	0%	0%	0	780	755	765
7		अंता ANTA	0%	100%	0%	0%	3	805	756	780
8		बलिया BALLIA	0%	100%	0%	0%	0	791	741	764
9		बारा BARA	0%	100%	0%	0%	0	790	753	767
10		भादवा BHADLA	0%	100%	0%	0%	3	811	707	773
11		भादवा-2 BHADLA-2	0%	99%	1%	1%	8	807	711	775
12		भिवानी BHIWANI	0%	99%	1%	1%	4	805	748	777
13		बीकानेर BIKANER	0%	99%	1%	1%	6	807	724	774
14		बरेली BAREILLY	0%	99%	1%	1%	8	813	742	773
15		चित्तौड़गढ़ CHITTORGARH	0%	97%	3%	3%	19	807	752	784
16		फतेहगढ़-2 FATEHGARH-2	0%	100%	0%	0%	2	804	698	773
17		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	800	737	769
18		ग्रेटर नोडा GREATER NOIDA	0%	99%	1%	1%	7	808	750	775
19		हापड़ HAPUR	0%	99%	1%	1%	7	808	736	771
20		जावाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0
21		झाड़िकर JHATIKARA	0%	100%	0%	0%	0	800	738	771
22		कानपुर जंक्शन KANPUR GIS	0%	100%	0%	0%	0	800	743	766
23		खैरती KHETRI	0%	100%	0%	0%	2	806	732	774
24		कोशिकर KOTESHWAR	0%	100%	0%	0%	1	807	746	773
25		लखनौर LALITPUR	0%	100%	0%	0%	0	776	736	766
26		लखनऊ LUCKNOW	0%	100%	0%	0%	0	798	740	770
27		मैनपुरी MAINPURI	0%	99%	1%	1%	5	810	751	776
28		मेरठ MEERUT	0%	99%	1%	1%	10	812	748	777
29		मोगा MOGA	0%	100%	0%	0%	1	801	739	772
30		ओबरा सी OBRA C	0%	0%	0%	0%	0	0	0	0
31		उरई ORAI	0%	98%	2%	2%	13	806	762	784
32		फागी PHAGI	0%	99%	1%	1%	10	805	745	780
33		उन्नाव UNNAO	0%	100%	0%	0%	0	789	734	768
34		वाराणसी VARANASI	0%	100%	0%	0%	0	793	752	772
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	794	758	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	799	751	777
3		भोपाल (बीक्रीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	793	748	774
4		भुज BHUJ	0%	100%	0%	0%	2	887	705	774
5		बिलासपुर BILASPUR	0%	100%	0%	0%	0	791	761	774
6		बीना BINA	0%	100%	0%	0%	1	802	766	782
7		बनसकण्ठ BANASKANTHA	0%	99%	1%	1%	4	807	750	784
8		चाम्पा CHAMPA	0%	86%	14%	14%	107	815	772	793
9		पुणे (बीक्रीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	793	753	775
10		धरमपुर धरमपुर DHARAMPUR	0%	100%	0%	0%	0	789	763	774
11		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	4	801	770	785
12		एकतुनी EKTUNI	0%	100%	0%	0%	0	792	750	772
13		गडारवाड़ा GADARWARA	0%	100%	0%	0%	0	801	768	785
14		गवालियर GWALIOR	0%	99%	1%	1%	7	803	759	782
15		इंदौर INDORE	0%	100%	0%	0%	0	793	751	772
16		जबलपुर JABALPUR	0%	99%	1%	1%	5	806	770	786
17		खडवा KHANDWA	0%	100%	0%	0%	0	791	754	774
18		कोरडी KORADI	0%	100%	0%	0%	0	785	758	769
19		रायपुर पुलिंग RAIGARH POOLING	0%	99%	1%	1%	5	805	770	787
20		पडघे PADGHE	0%	100%	0%	0%	2	807	743	777
21		परली PARLI	0%	100%	0%	0%	2	803	755	783
22		पुणे PUNE	0%	99%	0%	0%	0	800	742	778
23		राजनन्दगांव RAJNANDGAON	0%	95%	5%	5%	38	815	774	791
24		सासन SASAN	0%	100%	0%	0%	0	791	766	776
25		सातना SATNA	0%	100%	0%	0%	0	802	763	784
26		सिवनी SEONI	0%	100%	0%	0%	0	798	765	780
27		सीपट SIPAT	0%	100%	0%	0%	0	790	765	776
28		सोलापुर SOLAPUR	0%	100%	0%	0%	0	802	762	782
29		तिरुंगा TIRORA	0%	100%	0%	0%	2	777	756	765
30		तामनार TAMNAR	0%	100%	0%	0%	0	803	773	787
31		वडीदा VADODARA	0%	100%	0%	0%	0	797	746	774
32		विन्ध्यचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	794	768	779
33		वर्धा WARDHA	0%	99%	1%	1%	6	810	763	787
34		वरोरा WARORA	0%	100%	0%	0%	2	805	763	784
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	90%	10%	10%	72	815	749	785
2		चिल्कलुरिपेट CHILKALURIPETA	0%	87%	13%	13%	99	819	747	785
3		कूर्नूल KURNOOL	0%	100%	0%	0%	0	798	745	775
4		महेश्वरम MAHESWARAM	0%	99%	1%	1%	4	803	751	777
5		निजामाबाद NIZAMABAD	0%	95%	5%	5%	37	808	764	789
6		नेल्लोर पुलिंग NELLORE PS	0%	100%	0%	0%	0	792	746	773
7		रायचूर RAICHUR	0%	100%	0%	0%	0	798	749	778
8		श्रीकाकुलम SRIKAKULAM	0%	97%	3%	3%	22	816	744	785
9		तिरुवल्लम THIRUVALEM	0%	100%	0%	0%	0	793	730	765
10		वेमगिरी VEMAGIRI	0%	81%	19%	19%	144	817	756	790
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	418	382	404
3		बोंगाईगाव BONGAIGAOON (400 kV)	0%	100%	0%	0%	0	418	401	409
4		बोंगाईगाव टीसीएल BONGAIGAOON TPS (400 kV)	0%	100%	0%	0%	0	420	404	412
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	419	396	407
6		बर्निहट BYRNHAT (400 kV)	0%	0%	0%	0%	0	0	0	0
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	414	394	403
8		अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	412	402	407
9		मिसा MISA (400 kV)	0%	100%	0%	0%	0	415	394	405
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	416	395	405
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	420	394	406
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	0	417	401	407
13		पूबचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	415	395	404
14		रंगानादी RANGANADI (400 kV)	0%	0%	0%	0%	0	0	0	0
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	419	400	409
16		सुबानसिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0
17		सुज्यामनिगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	413	395	403

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

All India Angular spread w.r.to Vindhyachal_May-2022

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

