

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

Date: 05-Jul-2022

System Reliability Indices Report for the month of June 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	507	126.75	17.60
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	316	79.00	10.97
3	Import of NR	1	0.25	0.03
4	NEW-SR	2	0.50	0.07
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 2022

Date of reporting:

05-Jul-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-Jun-22	11.50	74.07	14.42	25.93	6:13	49.99
02-Jun-22	14.73	74.09	11.18	25.91	6:13	49.97
03-Jun-22	16.25	73.11	10.64	26.89	6:27	49.97
04-Jun-22	27.23	69.17	3.60	30.83	7:24	49.94
05-Jun-22	13.55	74.57	11.88	25.43	6:06	49.98
06-Jun-22	9.99	81.32	8.69	18.68	4:29	49.99
07-Jun-22	6.64	78.26	15.09	21.74	5:13	50.00
08-Jun-22	0.90	80.73	18.37	19.27	4:37	50.02
09-Jun-22	7.59	71.53	20.88	28.47	6:50	50.00
10-Jun-22	1.10	87.74	11.16	12.26	2:56	50.01
11-Jun-22	5.60	78.03	16.37	21.97	5:16	50.00
12-Jun-22	12.97	73.30	13.73	26.70	6:24	49.98
13-Jun-22	42.01	54.71	3.28	45.29	10:52	49.91
14-Jun-22	10.83	77.34	11.83	22.66	5:26	49.99
15-Jun-22	3.41	70.79	25.80	29.21	7:00	50.02
16-Jun-22	13.36	73.39	13.25	26.61	6:23	49.98
17-Jun-22	4.02	78.89	17.09	21.11	5:04	50.00
18-Jun-22	12.88	69.12	18.00	30.88	7:24	49.99
19-Jun-22	6.06	73.65	20.29	26.35	6:19	50.01
20-Jun-22	7.06	70.27	22.67	29.73	7:08	50.00
21-Jun-22	12.96	74.54	12.50	25.46	6:06	49.98
22-Jun-22	21.63	70.39	7.97	29.61	7:06	49.96
23-Jun-22	9.99	79.86	10.15	20.14	4:50	49.98
24-Jun-22	15.13	69.73	15.14	30.27	7:15	49.98
25-Jun-22	20.89	69.58	9.53	30.42	7:18	49.96
26-Jun-22	14.43	70.52	15.05	29.48	7:04	49.98
27-Jun-22	36.34	59.21	4.44	40.79	9:47	49.92
28-Jun-22	10.30	74.36	15.34	25.64	6:09	49.99
29-Jun-22	1.49	77.08	21.42	22.92	5:30	50.02
30-Jun-22	2.71	71.93	25.36	28.07	6:44	50.02
June 2022	12.45	73.38	14.17	26.62	191:41	49.99

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

विद्युत विभव रूपरेखा माह - जून 2022

VOLTAGE PROFILE - June 2022

Date of reporting: 05-Jul-22

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	800	765	782
2		दार्लिपली DARLIPALI	0%	100%	0%	0%	0	793	767	779
3		गया GAYA	0%	100%	0%	0%	0	780	747	763
4		जैरत JEERAT	0%	100%	0%	0%	0	794	745	770
5		झारसुगड़ा JHARSUGUDA	0%	100%	0%	0%	0	803	781	788
6		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	797	746	774
7		रांची RANCHI	0%	100%	0%	0%	0	796	763	779
8		सासाराम SASARAM	0%	100%	0%	0%	0	802	741	762
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	800	755	780
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	794	747	768
3		अजमेर AJMER	0%	99%	1%	1%	7	811	743	781
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	1	803	737	776
5		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	784	761	769
6		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	782	758	767
7		अंता ANTA	0%	100%	0%	0%	2	803	761	782
8		बलिया BALLIA	0%	100%	0%	0%	0	795	747	768
9		बारा BARA	0%	100%	0%	0%	0	783	755	768
10		भाड़ला BHADLA	0%	100%	0%	0%	3	808	712	774
11		भाड़ला-2 BHADLA-2	0%	98%	2%	2%	13	812	718	776
12		भिवानी BHIWANI	0%	100%	0%	0%	0	797	750	776
13		बीकानेर BIKANER	0%	99%	1%	1%	9	808	734	775
14		बरेली BAREILLY	0%	99%	1%	1%	5	818	744	775
15		चित्तौड़गढ़ CHITTORGARH	0%	98%	2%	2%	12	809	753	782
16		फतेहगढ़-2 FATEHGARH-2	0%	99%	1%	1%	7	812	711	776
17		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	795	746	774
18		ग्रेटर नोएडा GREATER NOIDA	0%	100%	0%	0%	1	802	743	777
19		हापड़ HAPUR	0%	100%	0%	0%	2	812	738	775
20		जवाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0
21		झटिकरा JHATIKARA	0%	100%	0%	0%	0	795	742	772
22		कानपुर जीआईएस KANPUR GIS	0%	100%	0%	0%	0	793	746	770
23		खेती KHETRI	0%	100%	0%	0%	1	802	736	775
24		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	1	802	736	775
25		ललितपुर LALITPUR	0%	100%	0%	0%	0	773	744	757
26		लखनऊ LUCKNOW	0%	100%	0%	0%	1	805	745	768
27		मैनपुरी MAINPURI	0%	100%	0%	0%	1	802	752	777
28		मेरठ MEERUT	0%	100%	0%	0%	1	803	744	778
29		मोगा MOGA	0%	100%	0%	0%	1	804	744	773
30		ओबरा सी OBRA C	0%	0%	0%	0%	0	0	0	0
31		उरई ORAI	0%	99%	1%	1%	4	805	762	785
32		फागी PHAGI	0%	100%	0%	0%	2	805	757	780
33		उन्नाव UNNAO	0%	100%	0%	0%	0	798	738	759
34		वाराणसी VARANASI	0%	100%	0%	0%	0	792	757	774
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	801	757	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	1	805	747	776
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	798	750	771
4		भुज BHUJ	0%	100%	0%	0%	0	799	731	772
5		बिलासपुर BILASPUR	0%	100%	0%	0%	0	789	759	775
6		बीना BINA	0%	100%	0%	0%	0	803	765	782
7		बनसकंठा BANASKANTHA	0%	100%	0%	0%	1	805	755	783
8		चांपा CHAMPA	0%	86%	14%	14%	99	810	775	794
9		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	799	746	773
10		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	790	765	776
11		रायपुर पलिंग RAIPUR POOLING	0%	100%	0%	0%	1	800	771	785
12		एकतुनी EKTUNI	0%	100%	0%	0%	0	795	748	771
13		गदरवाड़ा GADARWARA	0%	100%	0%	0%	0	802	769	783
14		ग्वालियर GWALIOR	0%	100%	0%	0%	1	802	761	782
15		इंदौर INDORE	0%	100%	0%	0%	0	793	749	771
16		जबलपुर JABALPUR	0%	100%	0%	0%	1	806	772	785
17		खंडवा KHANDWA	0%	100%	0%	0%	0	797	747	773
18		कोरडी KORADI	0%	100%	0%	0%	0	783	754	769
19		रायगढ़ पलिंग RAIGARH POOLING	0%	99%	1%	1%	6	803	775	790
20		पड़घे PADGHE	0%	99%	1%	1%	4	808	740	777
21		परली PARLI	0%	100%	0%	0%	3	806	750	780
22		पुणे PUNE	0%	99%	0%	0%	0	800	736	778
23		राजनन्दगांव RAJNANDGAON	0%	99%	1%	1%	9	807	769	790
24		सासन SASAN	0%	100%	0%	0%	0	789	765	776
25		सतना SATNA	0%	100%	0%	0%	0	799	767	783
26		सिवनी SEONI	0%	100%	0%	0%	0	799	759	778
27		सीपत SIPAT	0%	100%	0%	0%	0	789	765	776
28		सोलापुर SOLAPUR	0%	99%	1%	1%	10	809	751	781
29		तिरोड़ा TIRODA	0%	100%	0%	0%	0	776	751	765
30		तामनार TAMNAR	0%	100%	0%	0%	2	802	775	789
31		वडोदरा VADODARA	0%	100%	0%	0%	0	798	746	774
32		विंध्याचल पलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	792	768	779
33		वर्धा WARDHA	0%	100%	0%	0%	1	806	758	783
34		वरोरा WARORA	0%	100%	0%	0%	0	801	754	780
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	79%	21%	21%	148	813	754	790
2		चिल्कलुरीपेट CHILAKALURIPETA	0%	72%	28%	28%	202	819	749	791
3		कर्नूल KURNOOL	0%	100%	0%	0%	0	801	743	775
4		महेश्वरम MAHESWARAM	0%	93%	7%	7%	48	808	732	780
5		निज़ामाबाद NIZAMABAD	0%	76%	24%	24%	170	814	742	789
6		नेल्लूर पलिंग NELLORE PS	0%	100%	0%	0%	0	799	731	774
7		रायचूर RAICHUR	0%	100%	0%	0%	0	803	749	777
8		श्रीकाकुलम SRIKAKULAM	0%	91%	9%	9%	64	812	760	788
9		तिरुवल्लम THIRUVALLEM	0%	100%	0%	0%	0	800	735	769
10		वेमगिरी VEMAGIRI	0%	72%	28%	28%	198	819	757	792
1	पूर्वोत्तर क्षेत्र NER	बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	0	411	396	403
2		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	419	394	406
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	416	400	409
4		बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	417	403	411
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	420	385	408
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	419	404	412
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	416	391	406
8		अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	411	402	407
9		मीसा MISA (400 kV)	0%	100%	0%	0%	0	417	395	406
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	419	396	406
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	2	421	391	407
12		पालाताना PALATANA (400 kV)	0%	100%	0%	0%	0	412	399	405
13		पूर्वकंचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	411	394	403
14		रंगानदी RANGANADI (400 kV)	0%	100%	0%	0%	0	407	407	407
15		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	418	397	408
16		सुबानसिरी SUBANSIRI (400 kV)	0%	0%	0%	0%	0	0	0	0
17		सुज्यमणिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	409	393	401

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

