

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

Date: 05-Jul-2021

**System Reliability Indices Report for the month of June 2021**

**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	21	5.25	0.73
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	1	0.25	0.03
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 2021

Date of reporting:

05-Jul-21

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-21	9.39	73.14	17.48	26.86	6:26	50.00
02-Jun-21	4.86	79.65	15.49	20.35	4:53	50.00
03-Jun-21	17.84	70.83	11.33	29.17	7:00	49.97
04-Jun-21	1.77	77.58	20.65	22.42	5:22	50.02
05-Jun-21	5.07	72.94	21.99	27.06	6:29	50.01
06-Jun-21	2.57	81.22	16.22	18.78	4:30	50.01
07-Jun-21	3.08	81.90	15.02	18.10	4:20	50.01
08-Jun-21	4.72	77.20	18.08	22.80	5:28	50.00
09-Jun-21	5.10	74.78	20.12	25.22	6:03	50.00
10-Jun-21	0.69	65.64	33.67	34.36	8:14	50.04
11-Jun-21	2.38	81.47	16.15	18.53	4:26	50.01
12-Jun-21	5.46	71.37	23.17	28.63	6:52	50.01
13-Jun-21	2.82	76.86	20.31	23.14	5:33	50.01
14-Jun-21	6.92	78.56	14.51	21.44	5:08	49.99
15-Jun-21	3.66	70.97	25.37	29.03	6:58	50.01
16-Jun-21	3.16	77.78	19.06	22.22	5:20	50.01
17-Jun-21	3.59	78.69	17.72	21.31	5:06	50.01
18-Jun-21	6.89	83.10	10.01	16.90	4:03	49.99
19-Jun-21	3.23	76.05	20.72	23.95	5:44	50.01
20-Jun-21	2.70	70.86	26.45	29.14	6:59	50.02
21-Jun-21	25.19	66.62	8.19	33.38	8:00	49.95
22-Jun-21	17.34	71.01	11.66	28.99	6:57	49.97
23-Jun-21	3.82	79.85	16.33	20.15	4:50	50.01
24-Jun-21	5.63	57.12	37.26	42.88	10:17	50.03
25-Jun-21	1.82	66.34	31.84	33.66	8:04	50.03
26-Jun-21	7.66	75.97	16.37	24.03	5:46	50.00
27-Jun-21	6.94	86.61	6.45	13.39	3:12	49.99
28-Jun-21	13.53	72.73	13.74	27.27	6:32	49.98
29-Jun-21	4.72	81.89	13.39	18.11	4:20	50.00
30-Jun-21	0.56	56.88	42.57	43.13	10:21	50.05
<b>June 2021</b>	<b>6.10</b>	<b>74.52</b>	<b>19.38</b>	<b>25.48</b>	<b>183:27</b>	<b>50.00</b>

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

विद्युत विभव रूपरेखा माह - जून 2021

VOLTAGE PROFILE - June 2021

Date of reporting: 05-Jul-21

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.वी.) Maximum(kV)	निम्नतम(कि.वी.) Minimum(kV)	औसत (कि.वी.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगल ANGUL	0%	100%	0%	0%	0	799	748	778
2		दालिपली DARPALI	0%	100%	0%	0%	0	792	763	779
3		गया GAYA	0%	100%	0%	0%	0	784	744	765
4		झारसुगडा JHARSUGUDA	0%	99%	1%	1%	6	802	772	790
5		मिदनापुर MEDINIPUR	0%	100%	0%	0%	0	790	738	761
6		रांची RANCHI	0%	100%	0%	0%	0	794	762	777
7		सासाराम SASARAM	0%	100%	0%	0%	2	809	739	766
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	800	745	777
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	3	809	751	775
3		अजमेर AJMER	0%	98%	2%	2%	14	809	752	783
4		अलीगढ़ ALIGARH	0%	100%	0%	0%	0	801	734	774
5		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	776	750	762
6		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	778	752	764
7		अंता ANTA	0%	0%	0%	0%	0	0	0	0
8		बलिया BALLIA	0%	100%	0%	0%	0	790	736	766
9		बारा BARA	0%	100%	0%	0%	0	792	765	778
10		भदला BHADLA	0%	100%	0%	0%	3	808	731	769
11		बिहनी BHIWANI	0%	100%	0%	0%	0	802	746	775
12		बिकानेर BIKANER	0%	99%	1%	1%	8	811	736	775
13		बरेली BAREILLY	0%	99%	1%	1%	8	808	743	773
14		चितौड़गढ़ CHITTORGARH	0%	97%	3%	3%	20	808	756	785
15		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	798	739	765
16		ग्रेटर नोइडा GREATER NOIDA	0%	99%	1%	1%	10	812	750	777
17		हापुड HAPUR	0%	99%	1%	1%	9	811	728	774
18		जवाहरपुर JAWAHARPUR	0%	0%	0%	0%	0	0	0	0
19		झटिकर JHATIKAR	0%	100%	0%	0%	1	805	745	772
20		कानपुर जीआईएस KANPUR GIS	0%	100%	0%	0%	0	796	718	771
21		कोटेश्वर KOTESHWAR	0%	100%	0%	0%	0	798	739	770
22		ललितपुर LALITPUR	0%	100%	0%	0%	0	787	757	771
23		लखनऊ LUCKNOW	0%	100%	0%	0%	1	802	742	771
24		मैनपुरी MAINPURI	0%	99%	1%	1%	10	810	755	781
25		मेरठ MEERUT	0%	100%	0%	0%	0	803	742	774
26		मोगा MOGA	0%	100%	0%	0%	1	831	740	769
27		ओबरा सी OBRA C	0%	0%	0%	0%	0	0	0	0
28		उरई ORAI	0%	100%	0%	0%	2	803	752	781
29		फागी PHAGI	0%	99%	1%	1%	6	806	746	782
30		उन्नाव UNNAO	0%	100%	0%	0%	0	792	731	762
31	वाराणसी VARANASI	0%	100%	0%	0%	0	794	749	773	
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	792	752	777
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	797	748	777
3		भोपाळ (बीडीटीसीएस) BHOPAL (BDTCL)	0%	100%	0%	0%	0	788	752	771
4		भुज BHUJ	0%	100%	0%	0%	0	796	742	772
5		बिलासपुर BILASPUR	0%	100%	0%	0%	0	788	763	775
6		बीना BINA	0%	100%	0%	0%	0	798	757	779
7		बनसकांठा BANASKANTHA	0%	99%	1%	1%	6	806	759	783
8		चांपा CHAMPA	0%	99%	1%	1%	5	804	770	787
9		धुले (बीडीटीसीएस) DHULE (BDTCL)	0%	100%	0%	0%	0	796	742	769
10		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	793	762	777
11		रायपुर प्लिग RAIPUR POOLING	0%	100%	0%	0%	0	797	769	782
12		एकतुनी EKTUNI	0%	100%	0%	0%	0	793	750	776
13		गदरवाड़ा GADARWARA	0%	99%	1%	1%	4	803	767	784
14		ग्वालियर GWALIOR	0%	100%	0%	0%	0	800	751	779
15		इंदौर INDORE	0%	100%	0%	0%	0	786	747	769
16		जबलपुर JABALPUR	0%	100%	0%	0%	3	805	763	783
17		खंडवा KHANDWA	0%	100%	0%	0%	0	789	747	770
18		कोरडी KORADI	0%	100%	0%	0%	0	781	746	767
19		रायगढ़ प्लिग RAIGARH POOLING	0%	99%	1%	1%	4	803	775	788
20		पडरुगे PADGHE	0%	100%	0%	0%	2	801	753	781
21		पारली PARLI	0%	95%	5%	5%	36	805	760	790
22		पुणे PUNE	0%	100%	0%	0%	0	800	745	781
23		राजनंदगाँव RAJNANDGAON	0%	98%	2%	2%	17	805	774	791
24		सासन SASAN	0%	100%	0%	0%	0	785	759	770
25		सासन SATNA	0%	100%	0%	0%	0	795	757	775
26		सेवनी SEONI	0%	100%	0%	0%	0	797	760	778
27		सोपल SIPAT	0%	100%	0%	0%	0	788	766	776
28		सोलापुर SOLAPUR	0%	98%	2%	2%	13	804	758	788
29		तिरोडा TIRODA	0%	100%	0%	0%	0	778	747	765
30		तामनार TAMNAR	0%	100%	0%	0%	3	802	776	788
31		वाडोदरा VADODARA	0%	100%	0%	0%	0	792	752	774
32		विन्ध्यचल प्लिग VINDHYACHAL PS	0%	100%	0%	0%	0	787	759	772
33		वर्धा WARDHA	0%	99%	1%	1%	5	804	761	783
34		वराणार WARORA	0%	100%	0%	0%	1	801	761	784
1	दक्षिणी क्षेत्र SR	कडपा CUDDAPAH	0%	85%	15%	15%	110	822	752	788
2		चिल्कलीपेट CHILAKALURIPETA	0%	98%	2%	2%	13	809	726	773
3		कर्नूल KURNOOL	0%	100%	0%	0%	0	800	745	778
4		महेश्वरम MAHESWARAM	0%	100%	0%	0%	1	802	752	777
5		निजामाबाद NIZAMABAD	0%	96%	4%	4%	29	806	760	788
6		नेल्दूर प्लिग NELLORE PS	0%	100%	0%	0%	0	799	748	776
7		रायचूर RAICHUR	0%	100%	0%	0%	2	805	752	783
8		श्रीकाकुलम SRIKAKULAM	0%	98%	2%	2%	15	810	742	782
9		तिरुवल्लम THIRUVALEM	0%	100%	0%	0%	3	823	745	778
10		वेमगिरी VEMAGIRI	0%	95%	5%	5%	39	824	743	781
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	396	406
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	415	401	408
4		बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	419	403	412
5		इम्फाल IMPHAL (400 kV)	0%	100%	0%	0%	0	420	394	408
6		बर्निकट BYRNIHAT (400 kV)	0%	0%	0%	0%	0	0	0	0
7		कामेंग KAMENG (400 kV)	0%	100%	0%	0%	0	414	396	404
8		अज़ारा AZARA (400 kV)	0%	0%	0%	0%	0	0	0	0
9		मिशा MISA (400 kV)	0%	100%	0%	0%	0	415	396	406
10		न्यू मरियानी NEW MARIANI (400 kV)	0%	100%	0%	0%	0	417	394	405
11		न्यू कोहिमा NEW KOHIMA (400 kV)	0%	100%	0%	0%	0	418	394	406
12		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	0	412	403	408
13		पूर्वकचनबारी PK BARI (400 kV)	0%	100%	0%	0%	0	417	393	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	399	410
17	सुरज्यामनिनगर SURJYAMANINAGAR (400 kV)	0%	100%	0%	0%	0	416	391	402	

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

# Angle Difference w.r.t. Vindhyachal during June 2021

