

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

Date: **05-Mar-2019**

**System Reliability Indices Report for the month of February 2019**

**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	36	9.00	1.34
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	4	1.00	0.15
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 FEBRUARY 2019

Date of reporting:

05-Mar-19

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-Feb-19	11.50	75.58	12.92	24.42	5:51	49.98
02-Feb-19	7.43	78.25	14.32	21.75	5:13	49.99
03-Feb-19	12.33	71.68	16.00	28.32	6:47	49.98
04-Feb-19	3.03	73.70	23.26	26.30	6:18	50.01
05-Feb-19	7.69	72.97	19.34	27.03	6:29	50.00
06-Feb-19	11.12	69.70	19.18	30.30	7:16	49.99
07-Feb-19	2.23	65.28	32.49	34.72	8:20	50.02
08-Feb-19	4.41	66.09	29.50	33.91	8:08	50.02
09-Feb-19	2.88	57.71	39.41	42.29	10:09	50.03
10-Feb-19	1.30	72.43	26.27	27.57	6:37	50.02
11-Feb-19	1.56	67.58	30.86	32.42	7:46	50.02
12-Feb-19	5.98	77.00	17.01	23.00	5:31	49.99
13-Feb-19	10.20	76.08	13.73	23.92	5:44	49.99
14-Feb-19	11.17	74.50	14.33	25.50	6:07	49.98
15-Feb-19	12.09	69.76	18.15	30.24	7:15	49.99
16-Feb-19	7.16	74.41	18.43	25.59	6:08	50.00
17-Feb-19	3.44	69.77	26.79	30.23	7:15	50.01
18-Feb-19	7.77	76.26	15.97	23.74	5:41	49.99
19-Feb-19	8.56	74.71	16.72	25.29	6:04	49.99
20-Feb-19	8.01	66.79	25.20	33.21	7:58	50.01
21-Feb-19	20.46	66.53	13.01	33.47	8:02	49.97
22-Feb-19	8.47	73.53	18.00	26.47	6:21	49.99
23-Feb-19	7.25	72.05	20.71	27.95	6:42	50.00
24-Feb-19	6.09	69.35	24.56	30.65	7:21	50.01
25-Feb-19	2.56	63.75	33.69	36.25	8:42	50.03
26-Feb-19	8.97	70.15	20.88	29.85	7:09	50.00
27-Feb-19	1.60	69.13	29.27	30.87	7:24	50.02
28-Feb-19	1.00	65.65	33.36	34.35	8:14	50.03
<b>February 2019</b>	<b>7.01</b>	<b>70.73</b>	<b>22.26</b>	<b>29.27</b>	<b>0.29</b>	<b>50.00</b>

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

## Voltage Profile

विद्युत विभव रूपरेखा माह - फरवरी 2019

VOLTAGE PROFILE - February 2019

Date of reporting: 05-Mar-19

क्र.स. Si. 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	795	768	781
2		गया GAYA	0%	100%	0%	0%	0	794	746	774
3		झारसुगड़ा JHARSUGUDA	0%	94%	6%	6%	41	807	778	794
4		रांची RANCHI	0%	100%	0%	0%	0	791	763	781
5		सासाराम SASARAM	0%	100%	0%	0%	0	779	742	762
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	1	803	748	783
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	99%	1%	1%	8	809	735	772
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	790	755	769
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	788	752	768
5		अंता ANTA	0%	100%	0%	0%	0	796	762	780
6		बलिया BALLIA	0%	100%	0%	0%	0	795	748	776
7		भिवानी BHIWANI	0%	95%	5%	5%	32	807	760	790
8		बरौली BAREILLY	0%	100%	0%	0%	0	760	757	757
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	792	744	769
10		ग्रेटर नोएडा GREATER NOIDA	0%	87%	13%	13%	86	810	762	792
11		झाटिकरा JHATIKARA	0%	97%	3%	3%	19	808	758	788
12		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	760	753	758
13		लखनऊ LUCKNOW	0%	97%	3%	3%	20	806	756	784
14		ललितपुर LALITPUR	4%	95%	0%	5%	31	817	711	756
15		मेरठ MEERUT	0%	97%	3%	3%	23	810	747	787
16		मोगा MOGA	0%	100%	0%	0%	1	802	747	777
17		फागी PHAGI	0%	99%	1%	1%	6	803	735	784
18		वाराणसी VARANASI	0%	100%	0%	0%	0	797	757	780
19		उन्नाव UNNAO	0%	100%	0%	0%	0	784	736	761
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	798	750	775
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	1	803	757	785
3		भोपाल (बोर्डिंगसेल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	794	752	775
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	783	761	774
5		बीना BINA	0%	100%	0%	0%	0	799	763	784
6		चापा CHAMPA	0%	84%	16%	16%	110	807	776	796
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	793	765	782
8		धुल (बोर्डिंगसेल) DHULE (BDTCL)	0%	100%	0%	0%	0	800	747	780
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	796	746	774
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	801	751	785
11		इंदौर INDORE	0%	100%	0%	0%	0	791	754	775
12		जबलपुर JABALPUR	0%	99%	1%	1%	4	803	768	787
13		कोरडी KORADI	0%	100%	0%	0%	0	783	750	765
14		पुणे PUNE	0%	100%	0%	0%	0	800	728	773
15		रायगढ़ पूलिंग RAIGARH POOLING	0%	89%	11%	11%	73	806	778	794
16		रायपुर पूलिंग RAIPUR POOLING	0%	99%	1%	1%	4	802	772	786
17		सासन SASAN	0%	100%	0%	0%	0	784	763	773
18		सतना SATNA	0%	100%	0%	0%	0	793	761	779
19		सिवनी SEONI	0%	100%	0%	0%	0	796	763	782
20		सोपत SIPAT	0%	100%	0%	0%	0	780	760	773
21		सोलापुर SOLAPUR	0%	93%	7%	7%	47	807	747	791
22		तामनार TAMNAR	0%	96%	4%	4%	30	805	777	793
23		तिरुंगा TIRORA	0%	100%	0%	0%	0	774	750	761
24		वडोदरा VADODARA	0%	100%	0%	0%	0	799	762	783
25		विंध्याचल पूलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	785	764	775
26		वर्धा WARDHA	0%	99%	1%	1%	9	804	761	788
1	दक्षिणी क्षेत्र SR	कन्नूल KURNOOL	0%	96%	4%	4%	24	808	749	785
2		नेल्लूर पूलिंग NELLORE PS	0%	100%	0%	0%	1	801	741	778
3		रायचूर RAICHUR	0%	99%	1%	1%	5	803	748	784
4		निजामाबाद NIZAMABAD	0%	78%	22%	22%	148	811	764	794
5		श्रीकाकुलम SRIKAKULAM	0%	77%	23%	23%	157	811	762	794
6		तिरुवलम THIRUVALEM	0%	83%	17%	17%	116	817	752	789
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	414	401	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	2	426	390	409
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	429	375	408
4		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	415	391	406
5		बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	3	421	397	411
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	414	401	408
7		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	0	418	405	412
8		रंगानदी RANGANADI (400 kV)	0%	71%	29%	29%	195	441	395	416
9		मिसा MISA (400 kV)	0%	88%	12%	12%	77	429	395	413
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	418	392	407

All listed stations are 765 kV stations unless otherwise mentioned

\*Percentage is calculated w.r.t. Time of one month.

- THRISSUR
- BONGAIGAON
- AGARTALA
- AGRA\_BUS1
- NTPC-VINDHYACHAL
- BALIPARA
- FARAKKA
- IMPHAL
- MEERUT
- SLPR4

Voltage 1 Angle ▾ NTPC-VINDHYACHAL ▾

