

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

System Reliability Indices Report for the month of February 2018

Date: 5-Mar-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	8	2.00	0.30
2	ER-NR	6	1.50	0.22
3	Import of NR	23	5.75	0.86
4	NEW-SR	1	0.25	0.04
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	2	0.50	0.07
2	ER-NR	0	0.00	0.00
3	Import of NR	6	1.50	0.22
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.

विद्युत विभव रूपरेखा माह – फ़रवरी 2018

VOLTAGE PROFILE - FEBRUARY 2018

Date of reporting: 05-Mar-18

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)	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%	798	766	784
2		गया GAYA	0%	100%	0%	0%	792	748	769
3		झारसगुडा JHARSUGUDA	0%	100%	0%	0%	804	776	790
4		रांची RANCHI	0%	100%	0%	0%	791	764	778
5		सासाराम SASARAM	0%	100%	0%	0%	793	731	757
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	805	753	782
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	760	755	759
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	784	759	771
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	782	759	770
5		अंता ANTA	0%	100%	0%	0%	799	753	783
6		बलिया BALLIA	0%	100%	0%	0%	794	750	773
7		भिवानी BHIWANI	0%	74%	26%	26%	815	767	793
8		फतेहपुर FATEHPUR	0%	100%	0%	0%	795	737	764
9		ग्रेटर नोएडा GREATER NOIDA	0%	73%	27%	27%	817	770	795
10		झटिकरा JHATIKARA	0%	83%	17%	17%	815	755	792
11		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	760	754	758
12		लखनऊ LUCKNOW	0%	100%	0%	0%	803	753	779
13		ललितपुर LALITPUR	0%	7%	0%	0%	798	729	777
14		मेरठ MEERUT	0%	80%	20%	20%	816	761	793
15		मोगा MOGA	0%	99%	1%	1%	809	754	781
16		फागी PHAGI	0%	99%	1%	1%	805	747	785
17		वाराणसी VARANASI	0%	100%	0%	0%	796	756	777
18		उन्नाव UNNAO	0%	100%	0%	0%	783	752	755
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	792	754	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	804	758	782
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	792	747	771
4		बिलासपुर BILASPUR	0%	100%	0%	0%	775	749	765
5		बीना BINA	0%	100%	0%	0%	799	756	776
6		चाम्पा CHAMPA	0%	99%	0%	0%	809	762	784
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	791	756	771
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	799	754	779
9		एकतुनी EKTUNI	0%	100%	0%	0%	791	751	774
10		ग्वालियर GWALIOR	0%	100%	0%	0%	805	734	781
11		इंदौर INDORE	0%	100%	0%	0%	797	749	773
12		जबलपुर JABALPUR	0%	100%	0%	0%	799	760	778
13		कोरडी KORADI	0%	100%	0%	0%	782	755	768
14		पूणे PUNE	0%	100%	0%	0%	800	733	772
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	99%	1%	1%	805	769	789
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	804	765	784
17		सासन SASAN	0%	100%	0%	0%	780	754	765
18		सतना SATNA	0%	100%	0%	0%	791	750	769
19		सिवनी SEONI	0%	100%	0%	0%	796	757	778
20		सीपत SIPAT	0%	100%	0%	0%	772	754	763
21		सोलापुर SOLAPUR	0%	98%	2%	2%	809	764	788
22		तामनार TAMNAR	0%	100%	0%	0%	804	771	789
23		तिरुंगी TIRORA	0%	100%	0%	0%	776	753	764
24		वडोदरा VADODARA	0%	100%	0%	0%	800	758	781
25		विन्ध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	777	756	767
26		वर्धा WARDHA	0%	100%	0%	0%	804	761	784
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	98%	2%	2%	810	750	783
2		नेल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	799	753	779
3		रायचूर RAICHUR	0%	99%	1%	1%	808	759	785
4		निजामाबाद NIZAMABAD	0%	99%	1%	1%	803	764	785
5		श्रीकाकुलम SRIKAKULAM	0%	99%	1%	1%	804	747	786
6		तिरुवलम THIRUVALEM	0%	81%	19%	19%	813	753	789
1	पूर्वोत्तर क्षेत्र NER	अजंठा AZARA (400 kV)	0%	100%	0%	0%	412	401	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	422	393	409
3		बिस्वनाथ चरिअंति BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	421	390	407
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	419	395	407
5		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	419	398	411
6		बनिहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	412	401	408
7		पालाटाना PALATANA (400 kV)	0%	84%	16%	16%	423	413	405
8		रंगानदी RANGANADI (400 kV)	0%	99%	1%	1%	425	395	411
9		मिसा MISA (400 kV)	0%	99%	1%	1%	430	389	409
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	421	400	412

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

FREQUENCY DEVIATION INDEX FOR FEBRUARY 2018

Date of reporting: 05-Mar-18

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	Average Frequency (Hz)
	<49.9 Hz	49.9 - 50.05 Hz	>50.05 Hz		
01-Feb-18	4.61	79.22	16.17	20.78	50.00
02-Feb-18	4.75	82.91	12.35	17.09	49.99
03-Feb-18	4.16	86.06	9.78	13.94	49.99
04-Feb-18	1.97	79.21	18.82	20.79	50.01
05-Feb-18	5.08	81.89	13.03	18.11	49.99
06-Feb-18	10.93	80.76	8.31	19.24	49.97
07-Feb-18	15.30	76.38	8.32	23.62	49.97
08-Feb-18	14.19	78.53	7.28	21.47	49.97
09-Feb-18	22.52	72.44	5.03	27.56	49.95
10-Feb-18	11.48	80.91	7.60	19.09	49.97
11-Feb-18	2.65	77.81	19.54	22.19	50.01
12-Feb-18	6.89	80.72	12.40	19.28	49.99
13-Feb-18	6.77	82.09	11.13	17.91	49.99
14-Feb-18	6.84	76.64	16.52	23.36	50.00
15-Feb-18	9.72	78.85	11.42	21.15	49.98
16-Feb-18	7.43	82.73	9.84	17.27	49.98
17-Feb-18	9.31	81.63	9.06	18.37	49.98
18-Feb-18	3.62	83.39	12.99	16.61	49.99
19-Feb-18	12.69	82.52	4.79	17.48	49.96
20-Feb-18	14.12	78.80	7.08	21.20	49.96
21-Feb-18	11.90	82.87	5.23	17.13	49.96
22-Feb-18	14.64	78.33	7.03	21.67	49.96
23-Feb-18	17.91	76.76	5.34	23.24	49.95
24-Feb-18	11.16	82.57	6.27	17.43	49.97
25-Feb-18	3.66	81.53	14.81	18.47	50.00
26-Feb-18	2.94	84.75	12.31	15.25	49.99
27-Feb-18	10.61	83.02	6.37	16.98	49.97
28-Feb-18	23.52	73.73	2.75	26.27	49.94
February 2018	9.69	80.25	10.06	19.75	49.98

*FDI is defined as percentage of time for which frequency is outside IEGC band (49.9-50.05 Hz)



Standard Chart

- IMPHAL
 - NTPC-VINDHYACHAL
 - THRISSUR
 - BALLIA
 - CGPL Mundra
 - BALIPARA
 - BVT
 - FARAKKA
 - DADRI
- Voltage 1 Angle NTPC-VINDHYACHAL

