

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

System Reliability Indices Report for the month of January 2018

Date: 5-Feb-2018

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	19	4.75	0.64
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	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 – जनवरी 2018

VOLTAGE PROFILE - JANUARY 2018

Date of reporting: 05-Feb-18

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)	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगल ANGUL	0%	100%	0%	0%	800	774	786
2		गया GAYA	0%	100%	0%	0%	790	752	771
3		झारसगुडा JHARSUGUDA	0%	97%	3%	3%	805	776	790
4		रांची RANCHI	0%	100%	0%	0%	792	759	779
5		सासाराम SASARAM	0%	100%	0%	0%	796	723	749
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	802	757	783
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	760	747	758
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	786	760	773
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	784	757	772
5		अंता ANTA	0%	100%	0%	0%	803	740	782
6		बलिया BALLIA	0%	100%	0%	0%	793	754	773
7		भिवानी BHIWANI	0%	85%	15%	15%	814	767	792
8		बरेली BAREILLY	0%	100%	0%	0%	760	735	755
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	789	736	768
10		ग्रेटर नोएडा GREATER NOIDA	0%	77%	23%	23%	814	770	795
11		झटिकरा JHATIKARA	0%	83%	17%	17%	812	761	792
12		कानपुर जे.आइ.एस. KANPUR GIS	10%	90%	0%	10%	760	702	741
13		लखनऊ LUCKNOW	0%	100%	0%	0%	801	757	779
14		ललितपुर LALITPUR	1%	99%	0%	1%	797	715	776
15		मेरठ MEERUT	0%	82%	18%	18%	819	762	793
16		मोगा MOGA	0%	99%	1%	1%	811	756	783
17		फासी PHAGI	0%	99%	1%	1%	805	753	784
18		वाराणसी VARANASI	0%	100%	0%	0%	798	760	779
19		उन्नाव UNNAO	0%	100%	0%	0%	785	741	761
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	789	750	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	804	757	782
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	791	746	772
4		बिलासपुर BILASPUR	0%	100%	0%	0%	775	752	765
5		बीना BINA	0%	100%	0%	0%	794	755	776
6		चाण CHAMPA	0%	100%	0%	0%	803	772	788
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	788	759	773
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	803	752	780
9		एकतुनी EKTUNI	0%	100%	0%	0%	795	749	776
10		ग्वालियर GWALIOR	0%	100%	0%	0%	799	760	782
11		इंदौर INDORE	0%	100%	0%	0%	796	748	773
12		जबलपुर JABALPUR	0%	100%	0%	0%	800	762	781
13		कोरडी KORADI	0%	100%	0%	0%	781	752	768
14		पुणे PUNE	0%	100%	0%	0%	800	736	773
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	99%	1%	1%	802	778	792
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	797	769	784
17		सासन SASAN	0%	100%	0%	0%	777	753	766
18		सतना SATNA	0%	100%	0%	0%	783	750	766
19		सिवनी SEONI	0%	100%	0%	0%	792	757	777
20		सीपट SIPAT	0%	100%	0%	0%	772	751	763
21		सोलापुर SOLAPUR	0%	96%	4%	4%	809	765	789
22		तामनार TAMNAR	0%	100%	0%	0%	802	778	790
23		तिरुंगी TIRORA	0%	100%	0%	0%	774	751	764
24		वडोदरा VADODARA	0%	100%	0%	0%	802	759	783
25		विन्ध्यचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	778	756	767
26		वर्धा WARDHA	0%	100%	0%	0%	804	759	783
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	94%	6%	6%	809	758	786
2		नल्लूर पुलिंग NELLORE PS	0%	96%	4%	4%	809	761	785
3		रायचूर RAICHUR	0%	97%	3%	3%	806	761	786
4		निजामाबाद NIZAMABAD	0%	95%	5%	5%	806	756	786
5		श्रीकाकुलम SRIKAKULAM	0%	95%	5%	5%	806	760	787
6		तिरुवल्लम THIRUVALEM	0%	54%	46%	46%	821	767	797
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	412	402	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	422	390	409
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	421	384	407
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	418	393	408
5		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	421	397	411
6		बर्निहाट BYRNHAT (400 kV)	0%	100%	0%	0%	412	402	408
7		पालाटाना PALATANA (400 kV)	0%	99%	1%	1%	423	410	416
8		रंगानदी RANGANADI (400 kV)	0%	98%	2%	2%	424	383	408
9		मीसा MISA (400 kV)	0%	98%	2%	2%	424	392	412
10		सिलचर SILCHAR (400 kV)	0%	99%	1%	1%	422	384	410

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

FREQUENCY DEVIATION INDEX FOR JANUARY 2018

Date of reporting: 05-Feb-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-Jan-18	13.66	66.63	19.71	33.37	49.99
02-Jan-18	14.47	76.35	9.18	23.65	49.97
03-Jan-18	18.62	76.08	5.30	23.92	49.96
04-Jan-18	16.82	77.63	5.56	22.37	49.96
05-Jan-18	23.48	68.21	8.31	31.79	49.95
06-Jan-18	19.40	71.35	9.25	28.65	49.96
07-Jan-18	7.64	77.50	14.86	22.50	49.99
08-Jan-18	8.81	75.88	15.31	24.12	49.99
09-Jan-18	6.15	81.02	12.84	18.98	49.99
10-Jan-18	6.05	80.53	13.41	19.47	49.99
11-Jan-18	16.60	74.16	9.25	25.84	49.97
12-Jan-18	13.90	81.44	4.66	18.56	49.96
13-Jan-18	10.87	78.07	11.06	21.93	49.98
14-Jan-18	5.02	78.34	16.63	21.66	50.00
15-Jan-18	4.98	78.18	16.84	21.82	50.00
16-Jan-18	6.84	83.98	9.18	16.02	49.98
17-Jan-18	14.91	79.56	5.53	20.44	49.96
18-Jan-18	3.94	82.85	13.22	17.15	49.99
19-Jan-18	6.84	82.03	11.13	17.97	49.99
20-Jan-18	3.30	85.32	11.38	14.68	49.99
21-Jan-18	2.19	77.51	20.30	22.49	50.01
22-Jan-18	11.03	80.23	8.74	19.77	49.97
23-Jan-18	11.52	81.34	7.14	18.66	49.97
24-Jan-18	14.76	77.87	7.37	22.13	49.96
25-Jan-18	21.06	72.47	6.47	27.53	49.95
26-Jan-18	7.60	82.62	9.78	17.38	49.98
27-Jan-18	10.93	78.34	10.73	21.66	49.98
28-Jan-18	10.63	77.92	11.46	22.08	49.98
29-Jan-18	9.25	78.97	11.78	21.03	49.98
30-Jan-18	14.04	77.64	8.32	22.36	49.97
31-Jan-18	10.23	75.98	13.78	24.02	49.98
January 2018	11.15	77.94	10.92	22.06	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
 - RANCHI
 - THRISSUR
 - BALLIA
 - CGPL Mundra
 - RAMAGUNDAM
 - BALIPARA
 - BVT
 - AGRA
- Voltage 1 Angle NTPC-VINDHYACHAL

