

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

System Reliability Indices Report for the month of October 2017

Date: 4-Nov-2017

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	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	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 - अक्टूबर 2017

VOLTAGE PROFILE - OCTOBER 2017

Date of reporting: 04-Nov-17

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	अंगुल ANGUL	0%	100%	0%	0%	802	767	789
2		गया GAYA	0%	100%	0%	0%	788	755	772
3		झारसगुडा JHARSUGUDA	0%	99%	1%	0%	805	778	791
4		रांची RANCHI	0%	100%	0%	0%	797	770	785
5		सासाराम SASARAM	0%	100%	0%	0%	790	733	763
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	796	759	780
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	758	758	758
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	778	753	764
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	778	751	764
5		अंता ANTA	0%	100%	0%	0%	794	752	780
6		बलिया BALLIA	0%	100%	0%	0%	791	750	772
7		बारा BARA	0%	100%	0%	0%	771	747	762
8		भिवानी BHIWANI	0%	97%	3%	3%	808	770	788
9		बरेली BAREILLY	0%	100%	0%	0%	760	743	758
10		फतेहपुर FATEHPUR	0%	100%	0%	0%	787	746	767
11		ग्रेटर नोएडा GREATER NOIDA	0%	99%	1%	1%	807	768	787
12		झाटिका JHATIKARA	0%	99%	1%	1%	806	766	786
13		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	760	759	760
14		लखनऊ LUCKNOW	0%	100%	0%	0%	791	752	775
15		ललितपुर LALITPUR	0%	100%	0%	0%	788	758	774
16		मेरठ MEERUT	0%	96%	4%	4%	812	767	788
17		मोगा MOGA	0%	99%	1%	1%	806	763	784
18		फागी PHAGI	0%	100%	0%	0%	797	749	781
19		वाराणसी VARANASI	0%	100%	0%	0%	798	759	777
20		उन्नाव UNNAO	0%	100%	0%	0%	774	741	758
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	790	757	776
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	798	756	781
3		भोपाल (बीडीटीसीएन) BHOPAL (BDTCL)	0%	100%	0%	0%	789	748	766
4		बिलासपुर BILASPUR	0%	100%	0%	0%	774	756	765
5		बीना BINA	0%	100%	0%	0%	790	760	773
6		चम्पा CHAMPA	0%	94%	6%	6%	809	780	794
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	791	764	775
8		धुले (बीडीटीसीएन) DHULE (BDTCL)	0%	100%	0%	0%	796	749	779
9		एकतुनी EKTUNI	0%	100%	0%	0%	791	752	774
10		ग्वालियर GWALIOR	0%	100%	0%	0%	794	759	778
11		इंदौर INDORE	0%	100%	0%	0%	789	746	768
12		जबलपुर JABALPUR	0%	100%	0%	0%	803	764	779
13		कोरडी KORADI	0%	100%	0%	0%	780	755	770
14		पुणे PUNE	0%	100%	0%	0%	800	733	771
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	98%	2%	2%	805	779	792
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	800	770	786
17		सासन SASAN	0%	100%	0%	0%	773	753	762
18		सतना SATNA	0%	100%	0%	0%	775	742	764
19		सेवनी SEONI	0%	100%	0%	0%	790	761	777
20		सीपत SIPAT	0%	100%	0%	0%	772	756	764
21		सोलापुर SOLAPUR	0%	90%	10%	10%	810	769	792
22		तामनार TAMNAR	0%	99%	1%	1%	804	779	792
23		तिरुंगा TIRORA	0%	100%	0%	0%	775	754	766
24		वडोदरा VADODARA	0%	100%	0%	0%	795	755	778
25		विन्ध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	776	754	764
26		वर्धा WARDHA	0%	100%	0%	0%	802	759	786
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	95%	5%	5%	808	760	788
2		नेल्दूर पुलिंग NELLORE PS	0%	96%	4%	4%	808	753	788
3		रायचूर RAICHUR	0%	95%	5%	5%	808	769	790
4		निजामाबाद NIZAMABAD	0%	94%	6%	6%	807	761	786
5		श्रीकाकुलम SRIKAKULAM	0%	94%	6%	6%	808	762	787
6		थिरुवल्लम THIRUVALEM	0%	45%	55%	55%	824	775	801
1	पूर्वोत्तर क्षेत्र NER	अजारा AZARA (400 kV)	0%	100%	0%	0%	413	402	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	411	408	409
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	422	396	408
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	416	393	404
5		बोंगाईगाव टोपीरस BONGAIGAON TPS (400 kV)	0%	98%	2%	2%	424	402	413
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	413	402	408
7		पालाटाना PALATANA (400 kV)	0%	95%	5%	5%	422	413	418
8		रंगानदी RANGANADI (400 kV)	0%	99%	1%	1%	423	393	413
9		मिसा MISA (400 kV)	0%	98%	2%	2%	424	400	413
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	420	399	411

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

FREQUENCY DEVIATION INDEX FOR OCTOBER 2017

Date of reporting: 04-Nov-17

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-Oct-17	1.59	75.94	22.48	24.06	50.01
02-Oct-17	7.67	81.26	11.06	18.74	49.98
03-Oct-17	27.30	69.75	2.95	30.25	49.93
04-Oct-17	24.61	71.12	4.27	28.88	49.94
05-Oct-17	24.72	69.81	5.46	30.19	49.95
06-Oct-17	9.46	79.44	11.10	20.56	49.98
07-Oct-17	18.59	77.38	4.03	22.62	49.95
08-Oct-17	8.48	79.31	12.21	20.69	49.98
09-Oct-17	6.70	77.41	15.89	22.59	49.99
10-Oct-17	13.66	77.77	8.58	22.23	49.97
11-Oct-17	12.11	81.91	5.98	18.09	49.97
12-Oct-17	16.19	76.99	6.82	23.01	49.96
13-Oct-17	21.05	76.39	2.56	23.61	49.95
14-Oct-17	10.07	82.53	7.40	17.47	49.98
15-Oct-17	4.92	83.07	12.01	16.93	50.00
16-Oct-17	12.31	76.54	11.15	23.46	49.98
17-Oct-17	4.46	82.77	12.78	17.23	49.99
18-Oct-17	0.84	78.65	20.51	21.35	50.01
19-Oct-17	1.98	72.78	25.24	27.22	50.02
20-Oct-17	6.04	82.05	11.91	17.95	49.99
21-Oct-17	8.97	85.28	5.75	14.72	49.97
22-Oct-17	8.61	82.75	8.63	17.25	49.98
23-Oct-17	17.55	78.13	4.33	21.88	49.95
24-Oct-17	14.58	79.02	6.40	20.98	49.96
25-Oct-17	23.88	70.69	5.43	29.31	49.95
26-Oct-17	20.37	75.39	4.24	24.61	49.95
27-Oct-17	31.44	66.23	2.34	33.77	49.93
28-Oct-17	18.50	76.12	5.38	23.88	49.95
29-Oct-17	22.03	69.68	8.30	30.32	49.96
30-Oct-17	7.85	82.01	10.14	17.99	49.98
31-Oct-17	14.97	75.41	9.63	24.59	49.97
October 2017	13.60	77.21	9.19	22.79	49.97

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



Standard Chart

+ x IMPHAL x NTPC-VINDHYACHAL x RANCHI x THRISSUR x CGPL Mundra x BALIPARA x BASSI(2) Voltage 1 Angle NTPC-VINDHYACHAL

