

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

System Reliability Indices Report for the month of November 2017

Date: 5-Dec-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 – नवम्बर 2017

VOLTAGE PROFILE - NOVEMBER 2017

Date of reporting: 05-Dec-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	772	788
2		गया GAYA	0%	100%	0%	0%	789	759	775
3		झारसगुडा JHARSUGUDA	0%	100%	0%	0%	803	774	790
4		रांची RANCHI	0%	100%	0%	0%	800	772	786
5		सासाराम SASARAM	0%	100%	0%	0%	790	731	760
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	801	757	781
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	759	758	759
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	787	758	772
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	786	759	771
5		अंता ANTA	0%	100%	0%	0%	801	761	781
6		बलिया BALLIA	0%	100%	0%	0%	793	757	777
7		बारा BARA	0%	100%	0%	0%	759	759	759
8		भिवानी BHIWANI	0%	82%	18%	18%	811	769	793
9		बरेली BAREILLY	0%	100%	0%	0%	760	743	758
10		फतेहपुर FATEHPUR	0%	100%	0%	0%	786	742	764
11		ग्रेटर नोएडा GREATER NOIDA	0%	85%	15%	15%	810	773	793
12		झाटिकरा JHATIKARA	0%	88%	12%	12%	809	763	792
13		कानपुर जेआइएस KANPUR GIS	0%	100%	0%	0%	760	751	755
14		लखनऊ LUCKNOW	0%	100%	0%	0%	799	764	783
15		ललितपुर LALITPUR	0%	100%	0%	0%	790	754	778
16		मेरठ MEERUT	0%	86%	14%	14%	823	765	793
17		मोगा MOGA	0%	98%	2%	2%	813	754	785
18		फागी PHAGI	0%	100%	0%	0%	805	721	783
19		वाराणसी VARANASI	0%	100%	0%	0%	796	758	779
20		उन्नाव UNNAO	0%	100%	0%	0%	782	750	765
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	793	747	773
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	802	749	777
3		भोपाल (बीडीटीसीएन) BHOPAL (BDTCL)	0%	100%	0%	0%	791	741	769
4		बिलासपुर BILASPUR	0%	100%	0%	0%	777	754	766
5		बीना BINA	0%	100%	0%	0%	791	750	772
6		चाम्पा CHAMPA	0%	79%	21%	21%	822	781	797
7		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	791	757	776
8		धुले (बीडीटीसीएन) DHULE (BDTCL)	0%	100%	0%	0%	803	741	777
9		एकतुनी EKTUNI	0%	100%	0%	0%	794	741	773
10		ग्वालियर GWALIOR	0%	100%	0%	0%	800	755	778
11		इंदौर INDORE	0%	100%	0%	0%	797	745	772
12		जबलपुर JABALPUR	0%	100%	0%	0%	801	759	778
13		कोरडी KORADI	0%	100%	0%	0%	783	748	767
14		पुणे PUNE	0%	100%	0%	0%	800	734	771
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	84%	16%	16%	812	783	796
16		रायपुर पुलिंग RAIPUR POOLING	0%	98%	2%	2%	809	776	789
17		सासन SASAN	0%	100%	0%	0%	772	753	761
18		सतना SATNA	0%	100%	0%	0%	781	748	762
19		सेवनी SEONI	0%	100%	0%	0%	795	754	775
20		सीपत SIPAT	0%	100%	0%	0%	776	754	765
21		सोलापुर SOLAPUR	0%	96%	4%	4%	808	761	787
22		तामनार TAMNAR	0%	90%	10%	10%	811	783	796
23		तिरुंगा TIROGA	0%	100%	0%	0%	777	746	763
24		वडोदरा VADODARA	0%	100%	0%	0%	800	758	780
25		विन्ध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	774	754	763
26		वर्धा WARDHA	0%	99%	1%	1%	807	757	784
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	98%	2%	2%	809	761	785
2		नेल्दूर पुलिंग NELLORE PS	0%	100%	0%	0%	807	767	784
3		रायचूर RAICHUR	0%	99%	1%	1%	805	760	785
4		निजामाबाद NIZAMABAD	0%	94%	6%	6%	814	759	787
5		श्रीकाकुलम SRIKAKULAM	0%	93%	7%	7%	815	759	787
6		तिरुवल्लम THIRUVALLEM	0%	50%	50%	50%	823	774	800
1	पूर्वोत्तर क्षेत्र NER	अजारा AZARA (400 kV)	0%	100%	0%	0%	414	403	409
2		बालिपारा BALIPARA (400 kV)	0%	98%	2%	2%	427	401	411
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	99%	1%	1%	425	393	410
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	99%	1%	1%	423	394	410
5		बोंगाईगाव टोंगोरस BONGAIGAON TPS (400 kV)	0%	80%	20%	20%	426	402	416
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	414	403	409
7		पालाटाना PALATANA (400 kV)	0%	80%	20%	20%	422	411	419
8		रंगानदी RANGANADI (400 kV)	0%	85%	15%	15%	435	388	412
9		मिसा MISA (400 kV)	0%	93%	7%	7%	426	397	414
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	420	395	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 NOVEMBER 2017

Date of reporting: 05-Dec-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-Nov-17	4.77	81.91	13.32	18.09	49.99
02-Nov-17	27.95	67.58	4.47	32.42	49.94
03-Nov-17	19.73	73.18	7.08	26.82	49.96
04-Nov-17	16.12	76.03	7.85	23.97	49.96
05-Nov-17	6.63	81.68	11.69	18.32	49.99
06-Nov-17	44.51	54.09	1.40	45.91	49.91
07-Nov-17	45.63	52.04	2.34	47.96	49.91
08-Nov-17	18.55	76.96	4.49	23.04	49.95
09-Nov-17	14.47	76.47	9.06	23.53	49.97
10-Nov-17	18.30	75.32	6.38	24.68	49.96
11-Nov-17	10.73	79.75	9.53	20.25	49.97
12-Nov-17	12.09	79.78	8.13	20.22	49.97
13-Nov-17	20.67	70.66	8.67	29.34	49.96
14-Nov-17	21.68	69.81	8.51	30.19	49.95
15-Nov-17	11.75	77.42	10.83	22.58	49.97
16-Nov-17	12.96	74.32	12.72	25.68	49.98
17-Nov-17	24.41	69.07	6.52	30.93	49.95
18-Nov-17	15.83	76.00	8.17	24.00	49.97
19-Nov-17	12.52	76.48	11.00	23.52	49.97
20-Nov-17	18.10	72.63	9.27	27.37	49.97
21-Nov-17	11.61	79.39	9.00	20.61	49.98
22-Nov-17	11.49	77.41	11.10	22.59	49.98
23-Nov-17	9.56	77.80	12.64	22.20	49.98
24-Nov-17	11.59	76.22	12.20	23.78	49.98
25-Nov-17	12.33	76.79	10.88	23.21	49.98
26-Nov-17	4.33	72.78	22.89	27.22	50.01
27-Nov-17	18.11	72.08	9.80	27.92	49.97
28-Nov-17	23.72	67.13	9.16	32.87	49.95
29-Nov-17	15.86	70.58	13.56	29.42	49.98
30-Nov-17	11.27	74.51	14.21	25.49	49.98
November 2017	16.91	73.53	9.56	26.47	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 BASSI x CGPL Mundra x BALIPARA

Voltage 1 Angle CGPL Mundra

