

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

System Reliability Indices Report for the month of April 2017

Date: 4-May-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	297	74.25	10.67
5	ER-NER	46	11.50	1.65

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	25	6.25	0.90
4	ER-NER	33	8.25	1.19

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 - अप्रैल 2017

VOLTAGE PROFILE - APRIL 2017

Date of reporting: 04-May-17

क्र.स. 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%	790	759	777
2		गया GAYA	0%	100%	0%	0%	795	733	770
3		झारसगुडा JHARSUGUDA	0%	100%	0%	0%	802	747	785
4		रांची RANCHI	0%	100%	0%	0%	798	755	781
5		सासाराम SASARAM	0%	100%	0%	0%	795	720	763
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	802	735	776
2		अनपरा सी ANPARA-C	0%	100%	0%	0%	788	742	765
3		बलिया BALLIA	0%	100%	0%	0%	801	731	772
4		भिवानी BHIWANI	0%	83%	17%	17%	815	759	789
5		बरेली BAREILLY	0%	100%	0%	0%	760	733	759
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	794	726	765
7		झटिकरा JHATIKARA	0%	92%	8%	8%	814	753	786
8		लखनऊ LUCKNOW	0%	99%	1%	1%	808	735	777
9		मेरठ MEERUT	0%	91%	9%	9%	817	740	786
10		मोगा MOGA	0%	98%	2%	2%	809	751	784
11		फागी PHAGI	0%	100%	0%	0%	803	725	781
12		उन्नाव UNNAO	0%	100%	0%	0%	793	723	759
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	795	746	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	804	744	778
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	787	745	767
4		बिलासपुर BILASPUR	0%	100%	0%	0%	775	746	763
5		बीना BINA	0%	100%	0%	0%	794	743	771
6		चांपा CHAMPA	0%	95%	5%	5%	815	780	793
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	794	750	777
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	794	749	775
9		ग्वालियर GWALIOR	0%	100%	0%	0%	800	738	777
10		इंदौर INDORE	0%	100%	0%	0%	789	748	769
11		जबलपुर JABALPUR	0%	100%	0%	0%	799	753	778
12		कोरडी KORADI	0%	100%	0%	0%	788	750	769
13		पुणे PUNE	0%	100%	0%	0%	800	723	773
14		रायगढ़ पुलिग RAIGARH POOLING	0%	100%	0%	0%	802	780	790
15		रायपुर पुलिग RAIPUR POOLING	0%	99%	1%	1%	802	770	787
16		सासन SASAN	0%	100%	0%	0%	777	751	764
17		सतना SATNA	0%	100%	0%	0%	786	738	763
18		सिवनी SEONI	0%	100%	0%	0%	793	754	774
19		सीपत SIPAT	0%	100%	0%	0%	771	746	760
20		सोलापुर SOLAPUR	0%	99%	1%	1%	809	739	782
21		तामनार TAMNAR	0%	100%	0%	0%	803	781	790
22		तिरोड़ा TIRORA	0%	100%	0%	0%	780	749	766
23		वडोदरा VADODARA	0%	100%	0%	0%	791	747	773
24		विंध्याचल पुलिग VINDHYACHAL PS	0%	100%	0%	0%	780	702	766
25		वर्धा WARDHA	0%	99%	1%	1%	809	759	784
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	99%	1%	1%	809	755	782
2		नेल्लूर पुलिग NELLORE PS	0%	100%	0%	0%	802	740	773
3		रायचूर RAICHUR	0%	99%	1%	1%	808	757	782
4		तिरुवल्लम THIRUVALEM	0%	91%	9%	9%	811	742	785
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	416	399	408
2		बालिपारा BALIPARA (400 kV)	0%	95%	5%	5%	431	388	410
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	420	384	404
4		मिसा MISA (400 kV)	0%	90%	10%	10%	432	391	413
5		सिलचर SILCHAR (400 kV)	0%	99%	1%	1%	430	384	410

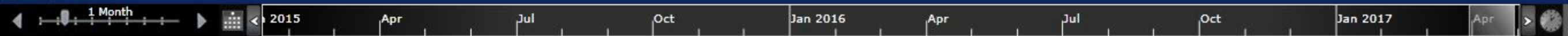
*Percentage is calculated w.r.t. Time of one month.

FREQUENCY DEVIATION INDEX FOR APRIL 2017

Date of reporting: 04-May-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-Apr-17	3.15	74.38	22.48	25.63	50.01
02-Apr-17	6.02	78.55	15.43	21.45	49.99
03-Apr-17	8.02	76.27	15.71	23.73	49.99
04-Apr-17	8.08	74.75	17.18	25.25	49.99
05-Apr-17	4.49	75.74	19.77	24.26	50.00
06-Apr-17	7.59	70.74	21.67	29.26	50.00
07-Apr-17	5.05	81.74	13.22	18.26	49.99
08-Apr-17	12.74	74.98	12.28	25.02	49.98
09-Apr-17	5.06	72.63	22.31	27.37	50.01
10-Apr-17	6.90	70.90	22.20	29.10	50.00
11-Apr-17	8.07	79.64	12.29	20.36	49.98
12-Apr-17	13.43	71.26	15.31	28.74	49.97
13-Apr-17	9.64	80.17	10.19	19.83	49.97
14-Apr-17	4.42	76.90	18.68	23.10	50.00
15-Apr-17	2.72	74.83	22.45	25.17	50.01
16-Apr-17	1.19	68.25	30.56	31.75	50.02
17-Apr-17	12.84	74.02	13.15	25.98	49.97
18-Apr-17	10.90	80.45	8.65	19.55	49.97
19-Apr-17	9.63	76.97	13.40	23.03	49.98
20-Apr-17	9.39	76.10	14.51	23.90	49.99
21-Apr-17	8.58	76.82	14.61	23.18	49.99
22-Apr-17	3.36	66.94	29.70	33.06	50.02
23-Apr-17	2.21	76.67	21.12	23.33	50.01
24-Apr-17	8.45	73.96	17.59	26.04	49.99
25-Apr-17	15.61	74.53	9.86	25.47	49.97
26-Apr-17	19.26	72.85	7.89	27.15	49.96
27-Apr-17	27.45	64.10	8.45	35.90	49.95
28-Apr-17	21.59	68.43	9.99	31.57	49.95
29-Apr-17	11.45	74.94	13.61	25.06	49.98
30-Apr-17	4.75	75.60	19.65	24.40	50.00
April 2017	9.07	74.47	16.46	25.53	49.99

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



Standard Chart

+ x AGARTALA x BASSI x BVT x IMPHAL x THRISSUR x NTPC-VINDHYACHAL x RANCHI

Voltage 1 Angle AGARTALA

