

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

System Reliability Indices Report for the month of March 2017

Date: 5-Apr-2017

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	48	12.00	1.92
2	ER-NR	72	18.00	2.88
3	Import of NR	75	18.75	3.00
4	NEW-SR	132	33.00	5.29
5	ER-NER	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	3	0.75	0.12
2	ER-NR	17	4.25	0.68
3	Import of NR	0	0.00	0.00
4	NEW-SR	2	0.50	0.08
4	ER-NER	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 – मार्च 2017

VOLTAGE PROFILE - MARCH 2017

Date of reporting: 05-Apr-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%	795	765	780
2		गया GAYA	0%	100%	0%	0%	802	749	772
3		झारसुगडा JHARSUGUDA	0%	99%	1%	1%	804	775	790
4		रांची RANCHI	0%	100%	0%	0%	800	767	784
5		सासाराम SASARAM	0%	100%	0%	0%	793	724	763
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	800	745	776
2		अनूपरा सी ANPARA-C	0%	100%	0%	0%	785	752	767
3		बलिया BALLIA	0%	100%	0%	0%	804	741	773
4		भिवानी BHIWANI	0%	82%	18%	18%	815	757	790
5		बरेली BAREILLY	0%	100%	0%	0%	760	735	759
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	787	736	763
7		झटिकरा JHATIKARA	0%	85%	15%	15%	813	755	788
8		लखनऊ LUCKNOW	0%	99%	1%	1%	801	746	775
9		मेरठ MEERUT	0%	88%	12%	12%	814	751	788
10		मोगा MOGA	0%	92%	8%	8%	811	749	789
11		फागी PHAGI	0%	99%	1%	1%	807	743	781
12		उन्नाव UNNAO	0%	100%	0%	0%	786	731	758
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	798	750	773
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	803	746	777
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	795	748	771
4		बिलासपुर BILASPUR	0%	100%	0%	0%	777	752	764
5		बीना BINA	0%	100%	0%	0%	796	755	777
6		चांपा CHAMPA	0%	96%	4%	4%	806	777	792
7		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	794	763	781
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	799	738	774
9		ग्वालियर GWALIOR	0%	100%	0%	0%	804	752	781
10		इंदौर INDORE	0%	100%	0%	0%	798	748	772
11		जबलपुर JABALPUR	0%	100%	0%	0%	804	760	785
12		कोरडी KORADI	0%	100%	0%	0%	785	751	768
13		पुणे PUNE	0%	100%	0%	0%	800	728	773
14		रायगढ़ पुलिंग RAIGARH POOLING	0%	100%	0%	0%	802	773	788
15		रायपुर पुलिंग RAIPUR POOLING	0%	99%	1%	1%	805	758	783
16		सासन SASAN	0%	100%	0%	0%	781	754	767
17		सतना SATNA	0%	100%	0%	0%	792	753	771
18		सिवनी SEONI	0%	100%	0%	0%	796	755	775
19		सीपत SIPAT	0%	100%	0%	0%	774	751	762
20		सोलापुर SOLAPUR	0%	99%	1%	1%	811	747	783
21		तामनार TAMNAR	0%	100%	0%	0%	801	774	787
22		तिरोड़ा TIRORA	0%	100%	0%	0%	774	750	762
23		वडोदरा VADODARA	0%	100%	0%	0%	803	743	776
24		विंध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	782	756	769
25		वर्धा WARDHA	0%	100%	0%	0%	806	760	783
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	99%	1%	1%	806	757	782
2		नेल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	799	757	777
3		रायचूर RAICHUR	0%	100%	0%	0%	807	753	782
4		तिरुवलम THIRUVALEM	0%	92%	8%	8%	807	766	788
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	414	401	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	424	361	406
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	420	391	406
4		मीसा MISA (400 kV)	0%	91%	9%	9%	428	394	412
5		सिलचर SILCHAR (400 kV)	0%	99%	1%	1%	423	393	408

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

FREQUENCY DEVIATION INDEX FOR MARCH 2017

Date of reporting: 05-Apr-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-Mar-17	9.26	77.18	13.56	22.82	49.98
02-Mar-17	4.99	80.39	14.62	19.61	49.99
03-Mar-17	5.14	76.55	18.31	23.45	50.00
04-Mar-17	6.32	76.67	17.01	23.33	50.00
05-Mar-17	5.46	74.87	19.66	25.13	50.00
06-Mar-17	7.00	74.62	18.38	25.38	49.99
07-Mar-17	4.48	77.75	17.77	22.25	49.99
08-Mar-17	12.88	72.96	14.16	27.04	49.98
09-Mar-17	3.43	76.22	20.36	23.78	50.01
10-Mar-17	1.12	64.79	34.09	35.21	50.03
11-Mar-17	4.33	67.22	28.45	32.78	50.01
12-Mar-17	2.23	67.30	30.46	32.70	50.02
13-Mar-17	0.50	63.02	36.48	36.98	50.03
14-Mar-17	5.98	67.03	26.99	32.97	50.01
15-Mar-17	7.73	80.60	11.67	19.40	49.98
16-Mar-17	14.70	72.58	12.72	27.42	49.97
17-Mar-17	14.07	75.79	10.14	24.21	49.97
18-Mar-17	3.98	77.05	18.97	22.95	50.00
19-Mar-17	7.82	79.86	12.31	20.14	49.98
20-Mar-17	14.13	73.09	12.78	26.91	49.97
21-Mar-17	16.05	72.21	11.74	27.79	49.97
22-Mar-17	16.81	73.41	9.78	26.59	49.96
23-Mar-17	17.42	69.97	12.62	30.03	49.97
24-Mar-17	18.68	71.72	9.59	28.28	49.96
25-Mar-17	6.69	77.25	16.06	22.75	49.99
26-Mar-17	8.69	76.31	15.00	23.69	49.99
27-Mar-17	16.44	73.39	10.17	26.61	49.97
28-Mar-17	18.24	71.69	10.07	28.31	49.96
29-Mar-17	9.51	76.91	13.58	23.09	49.98
30-Mar-17	4.68	73.30	22.03	26.70	50.00
31-Mar-17	8.63	68.43	22.94	31.57	50.00
March 2017	8.95	73.55	17.50	26.45	49.99

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

