

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

System Reliability Indices Report for the month of May 2017

Date: 5-Jun-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	39	9.75	1.31
3	Import of NR	39	9.75	1.31
4	NEW-SR	30	7.50	1.01
5	ER-NER	6	1.50	0.20

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	19	4.75	0.64
3	Import of NR	6	1.50	0.20
4	NEW-SR	0	0.00	0.00
4	ER-NER	4	1.00	0.13

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 – मई 2017

VOLTAGE PROFILE - MAY 2017

Date of reporting: 05-Jun-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%	802	768	781
2		गया GAYA	0%	100%	0%	0%	801	740	769
3		झारसुगडा JHARSUGUDA	0%	96%	4%	4%	809	778	790
4		रांची RANCHI	0%	100%	0%	0%	803	766	783
5		सासाराम SASARAM	0%	100%	0%	0%	797	728	763
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	807	743	773
2		अनूपरा सी ANPARA-C	0%	100%	0%	0%	788	747	764
3		बलिया BALLIA	0%	100%	0%	0%	803	741	770
4		भिवानी BHIWANI	0%	99%	1%	1%	808	755	780
5		बरेली BAREILLY	0%	100%	0%	0%	760	742	759
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	788	734	759
7		झटिकरा JHATIKARA	0%	99%	1%	1%	807	750	777
8		लखनऊ LUCKNOW	0%	99%	1%	1%	808	740	772
9		मेरठ MEERUT	0%	99%	1%	1%	809	752	779
10		मोगा MOGA	0%	100%	0%	0%	801	752	775
11		फागी PHAGI	0%	100%	0%	0%	804	701	776
12		उन्नाव UNNAO	0%	100%	0%	0%	786	728	757
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	792	753	773
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	804	754	782
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	799	735	766
4		बिलासपुर BILASPUR	0%	100%	0%	0%	781	755	768
5		बीना BINA	0%	100%	0%	0%	797	749	773
6		चांपा CHAMPA	0%	85%	15%	15%	811	782	796
7		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	792	768	776
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	799	752	775
9		ग्वालियर GWALIOR	0%	100%	0%	0%	803	745	776
10		इंदौर INDORE	0%	100%	0%	0%	799	747	769
11		जबलपुर JABALPUR	0%	100%	0%	0%	800	759	778
12		कोरडी KORADI	0%	100%	0%	0%	783	753	768
13		पुणे PUNE	0%	100%	0%	0%	800	735	772
14		रायगढ़ पुलिग RAIGARH POOLING	0%	91%	9%	9%	810	781	794
15		रायपुर पुलिग RAIPUR POOLING	0%	95%	5%	5%	809	774	792
16		सासन SASAN	0%	100%	0%	0%	782	754	765
17		सतना SATNA	0%	100%	0%	0%	790	747	766
18		सिवनी SEONI	0%	100%	0%	0%	801	763	779
19		सीपत SIPAT	0%	100%	0%	0%	779	754	766
20		सोलापुर SOLAPUR	0%	98%	2%	2%	808	754	785
21		तामनार TAMNAR	0%	91%	9%	9%	809	782	794
22		तिरोड़ा TIRORA	0%	100%	0%	0%	801	752	764
23		वडोदरा VADODARA	0%	100%	0%	0%	797	749	772
24		विंध्याचल पुलिग VINDHYACHAL PS	0%	100%	0%	0%	784	754	767
25		वर्धा WARDHA	0%	97%	3%	3%	810	771	790
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	98%	2%	2%	806	755	783
2		नेल्लूर पुलिग NELLORE PS	0%	100%	0%	0%	794	753	775
3		रायचूर RAICHUR	0%	98%	2%	2%	804	755	784
4		तिरुवलम THIRUVALEM	0%	92%	8%	8%	808	761	787
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	413	400	407
2		बालिपारा BALIPARA (400 kV)	0%	96%	4%	4%	429	392	410
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	422	385	406
4		मीसा MISA (400 kV)	0%	97%	3%	3%	427	392	410
5		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	421	393	409

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

FREQUENCY DEVIATION INDEX FOR MAY 2017

Date of reporting: 05-Jun-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-May-17	3.36	73.47	23.17	26.53	50.00
02-May-17	25.59	69.16	5.25	30.84	49.94
03-May-17	50.23	45.32	4.44	54.68	49.90
04-May-17	17.20	70.95	11.85	29.05	49.97
05-May-17	13.40	76.01	10.59	23.99	49.97
06-May-17	14.98	72.82	12.20	27.18	49.97
07-May-17	5.67	74.78	19.55	25.22	50.00
08-May-17	5.27	76.64	18.09	23.36	50.00
09-May-17	3.88	74.11	22.01	25.89	50.01
10-May-17	5.20	75.89	18.91	24.11	50.00
11-May-17	18.45	71.52	10.03	28.48	49.96
12-May-17	20.96	73.84	5.20	26.16	49.95
13-May-17	9.39	76.55	14.06	23.45	49.98
14-May-17	3.96	72.09	23.95	27.91	50.01
15-May-17	1.82	71.49	26.69	28.51	50.02
16-May-17	3.92	72.88	23.19	27.12	50.01
17-May-17	4.18	78.17	17.65	21.83	50.00
18-May-17	9.56	74.11	16.33	25.89	49.99
19-May-17	4.81	69.20	25.98	30.80	50.01
20-May-17	4.95	79.61	15.44	20.39	49.99
21-May-17	1.19	63.25	35.56	36.75	50.03
22-May-17	8.04	74.39	17.57	25.61	49.99
23-May-17	16.04	74.90	9.06	25.10	49.97
24-May-17	9.53	76.38	14.10	23.62	49.98
25-May-17	5.05	73.50	21.46	26.50	50.00
26-May-17	1.76	63.51	34.73	36.49	50.03
27-May-17	3.19	60.51	36.30	39.49	50.02
28-May-17	1.60	64.76	33.65	35.24	50.03
29-May-17	7.36	68.50	24.14	31.50	50.01
30-May-17	2.72	78.21	19.07	21.79	50.00
31-May-17	1.81	74.04	24.16	25.96	50.01
May 2017	9.20	71.63	19.17	28.37	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 BVT x THRISSUR x NTPC-VINDHYACHAL x BASSI x RANCHI x IMPHAL

Voltage 1 Angle AGARTALA

