

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

System Reliability Indices Report for the month of June 2017

Date: 4-Jul-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	14	3.50	0.49
3	Import of NR	100	25.00	3.47
4	NEW-SR	15	3.75	0.52
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	0	0.00	0.00
2	ER-NR	1	0.25	0.03
3	Import of NR	4	1.00	0.14
4	NEW-SR	0	0.00	0.00
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 – जून 2017

VOLTAGE PROFILE - JUNE 2017

Date of reporting: 04-Jul-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%	798	767	783
2		गया GAYA	0%	100%	0%	0%	797	732	769
3		झारसगुडा JHARSUGUDA	0%	94%	6%	6%	808	772	791
4		रांची RANCHI	0%	100%	0%	0%	803	745	783
5		सासाराम SASARAM	0%	100%	0%	0%	800	731	762
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	806	739	771
2		अनपरा सी ANPARA-C	0%	100%	0%	0%	789	745	761
3		बलिया BALLIA	0%	100%	0%	0%	802	740	768
4		भिवानी BHIWANI	0%	97%	3%	3%	813	749	778
5		बरेली BAREILLY	0%	100%	0%	0%	760	740	759
6		फतेहपुर FATEHPUR	0%	100%	0%	0%	792	733	760
7		झटिकरा JHATIKARA	0%	100%	0%	0%	801	736	769
8		लखनऊ LUCKNOW	0%	100%	0%	0%	806	740	770
9		मेरठ MEERUT	0%	98%	2%	2%	811	744	775
10		मोगा MOGA	0%	100%	0%	0%	806	747	771
11		फागी PHAGI	0%	100%	0%	0%	801	741	774
12		उन्नाव UNNAO	0%	100%	0%	0%	785	729	755
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	793	757	774
2		औरंगाबाद AURANGABAD	0%	99%	1%	1%	808	758	787
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	798	732	766
4		बिलासपुर BILASPUR	0%	100%	0%	0%	778	749	766
5		बीना BINA	0%	100%	0%	0%	797	743	770
6		चांपा CHAMPA	0%	94%	6%	6%	819	771	793
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	799	759	779
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	794	763	781
9		ग्वालियर GWALIOR	0%	100%	0%	0%	804	745	773
10		इंदौर INDORE	0%	100%	0%	0%	789	737	768
11		जबलपुर JABALPUR	0%	100%	0%	0%	807	733	777
12		कोरडी KORADI	0%	100%	0%	0%	778	756	768
13		पुणे PUNE	0%	100%	0%	0%	798	732	771
14		रायगढ़ पुलिग RAIGARH POOLING	0%	98%	2%	2%	810	775	792
15		रायपुर पुलिग RAIPUR POOLING	0%	97%	3%	3%	810	771	789
16		सासन SASAN	0%	100%	0%	0%	780	749	763
17		सतना SATNA	0%	100%	0%	0%	787	743	765
18		सिवनी SEONI	0%	100%	0%	0%	796	748	777
19		सीपत SIPAT	0%	100%	0%	0%	777	748	764
20		सोलापुर SOLAPUR	0%	86%	14%	14%	812	759	792
21		तामनार TAMNAR	0%	98%	2%	2%	808	776	791
22		तिरोड़ा TIRORA	0%	100%	0%	0%	772	753	764
23		वडोदरा VADODARA	0%	100%	0%	0%	797	744	775
24		विंध्याचल पुलिग VINDHYACHAL PS	0%	100%	0%	0%	781	750	765
25		वर्धा WARDHA	0%	97%	3%	3%	808	759	790
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	95%	5%	5%	809	752	788
2		नेल्लूर पुलिग NELLORE PS	0%	99%	0%	1%	802	724	783
3		रायचूर RAICHUR	0%	89%	11%	11%	810	755	791
4		तिरुवलम THIRUVALEM	0%	74%	26%	26%	817	764	794
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	411	400	406
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	424	393	409
3		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	415	387	400
4		मीसा MISA (400 kV)	0%	100%	0%	0%	423	393	411
5		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	421	389	410

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

FREQUENCY DEVIATION INDEX FOR JUNE 2017

Date of reporting: 04-Jul-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-Jun-17	17.40	71.31	11.30	28.69	49.97
02-Jun-17	13.16	77.05	9.79	22.95	49.97
03-Jun-17	21.19	67.07	11.74	32.93	49.96
04-Jun-17	18.13	70.23	11.64	29.77	49.97
05-Jun-17	9.00	81.33	9.66	18.67	49.98
06-Jun-17	9.14	76.37	14.49	23.63	49.99
07-Jun-17	3.04	61.09	35.87	38.91	50.02
08-Jun-17	1.25	72.36	26.39	27.64	50.02
09-Jun-17	0.56	77.40	22.05	22.60	50.01
10-Jun-17	1.54	82.20	16.26	17.80	50.01
11-Jun-17	0.76	76.89	22.35	23.11	50.01
12-Jun-17	3.72	79.86	16.42	20.14	50.00
13-Jun-17	4.57	79.48	15.95	20.52	49.99
14-Jun-17	6.37	78.19	15.44	21.81	49.99
15-Jun-17	5.97	79.86	14.17	20.14	49.99
16-Jun-17	3.34	76.40	20.25	23.60	50.01
17-Jun-17	2.78	73.53	23.69	26.47	50.01
18-Jun-17	4.47	81.33	14.20	18.67	49.99
19-Jun-17	0.00	66.02	33.98	33.98	50.04
20-Jun-17	1.26	63.33	35.41	36.67	50.03
21-Jun-17	1.26	79.10	19.64	20.90	50.01
22-Jun-17	3.25	77.93	18.82	22.07	50.00
23-Jun-17	6.44	82.01	11.55	17.99	49.99
24-Jun-17	6.66	72.62	20.73	27.38	50.00
25-Jun-17	8.58	76.77	14.65	23.23	49.99
26-Jun-17	8.14	80.15	11.71	19.85	49.98
27-Jun-17	3.39	78.87	17.74	21.13	50.00
28-Jun-17	0.44	73.15	26.41	26.85	50.02
29-Jun-17	8.22	73.41	18.37	26.59	50.00
30-Jun-17	5.52	81.09	13.39	18.91	49.99
June 2017	5.98	75.55	18.47	24.45	50.00

*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 BASSI x NTPC-VINDHYACHAL x RANCHI x IMPHAL

Voltage 1 Angle AGARTALA

