

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

System Reliability Indices Report for the month of March 2018

Date: 4-Apr-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	9	2.25	0.30
2	ER-NR	0	0.00	0.00
3	Import of NR	23	5.75	0.77
4	NEW-SR	5	1.25	0.17
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	1	0.25	0.03
2	ER-NR	0	0.00	0.00
3	Import of NR	9	2.25	0.30
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 – मार्च 2018

VOLTAGE PROFILE - MARCH 2018

Date of reporting: 04-Apr-18

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	अंगल ANGUL	0%	100%	0%	0%	790	765	779
2		गया GAYA	0%	100%	0%	0%	797	748	770
3		झारसगडा JHARSUGUDA	0%	100%	0%	0%	800	774	788
4		रांची RANCHI	0%	100%	0%	0%	792	763	778
5		सासाराम SASARAM	0%	100%	0%	0%	788	738	761
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	797	759	778
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	760	753	759
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	789	764	774
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	787	760	773
5		अंता ANTA	0%	100%	0%	0%	799	767	781
6		बलिया BALLIA	0%	100%	0%	0%	793	750	772
7		भिवानी BHIWANI	0%	95%	5%	5%	808	768	789
8		बरेली BAREILLY	0%	100%	0%	0%	760	738	758
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	792	735	765
10		ग्रेटर नोएडा GREATER NOIDA	0%	92%	8%	8%	810	763	790
11		झटिकरा JHATIKARA	0%	96%	4%	4%	810	763	785
12		कानपुर जेआइएस KANPUR GIS	0%	100%	0%	0%	785	745	765
13		लखनऊ LUCKNOW	0%	100%	0%	0%	801	755	780
14		ललितपुर LALITPUR	0%	100%	0%	0%	797	723	773
15		मेरठ MEERUT	0%	88%	12%	12%	817	764	791
16		मोगा MOGA	0%	98%	2%	2%	809	749	782
17		फासी PHAGI	0%	100%	0%	0%	800	761	783
18		वाराणसी VARANASI	0%	100%	0%	0%	803	754	778
19		उन्नाव UNNAO	0%	100%	0%	0%	784	744	765
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	788	751	772
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	800	759	781
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	791	750	770
4		बिलासपुर BILASPUR	0%	100%	0%	0%	775	752	765
5		बीना BINA	0%	100%	0%	0%	790	759	774
6		चांपा CHAMPA	0%	100%	0%	0%	805	775	789
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	785	760	772
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	796	749	777
9		एकतुनी EKTUNI	0%	100%	0%	0%	790	751	772
10		ग्वालियर GWALIOR	0%	100%	0%	0%	796	760	779
11		इंदौर INDORE	0%	100%	0%	0%	792	750	770
12		जबलपुर JABALPUR	0%	100%	0%	0%	795	762	779
13		कोरडी KORADI	0%	100%	0%	0%	784	755	767
14		पुणे PUNE	0%	100%	0%	0%	799	739	769
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	99%	1%	1%	806	782	792
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	803	770	786
17		सासन SASAN	0%	100%	0%	0%	776	757	766
18		सतना SATNA	0%	100%	0%	0%	779	749	765
19		सिवनी SEONI	0%	100%	0%	0%	792	761	778
20		सीपट SIPAT	0%	100%	0%	0%	771	752	763
21		सोलापुर SOLAPUR	0%	100%	0%	0%	803	765	786
22		तामनार TAMNAR	0%	100%	0%	0%	804	781	790
23		तिरुंगी TIRORA	0%	100%	0%	0%	776	752	763
24		वडोदरा VADODARA	0%	100%	0%	0%	796	753	777
25		विन्ध्याचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	776	758	767
26		वर्धा WARDHA	0%	100%	0%	0%	801	764	785
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	97%	3%	3%	809	755	783
2		नल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	801	757	780
3		रायचूर RAICHUR	0%	99%	1%	1%	806	761	785
4		निजामाबाद NIZAMABAD	0%	98%	2%	2%	806	763	784
5		श्रीकाकुलम SRIKAKULAM	0%	97%	3%	3%	804	765	785
6		तिरुवल्लम THIRUVALEM	0%	93%	7%	7%	815	752	785
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	414	403	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	419	395	409
3		बिन्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	418	370	405
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	419	397	408
5		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	99%	1%	1%	423	403	413
6		बर्निहाट BYRNHAT (400 kV)	0%	100%	0%	0%	414	403	408
7		पालाटाना PALATANA (400 kV)	0%	84%	16%	16%	423	413	418
8		रंगानदी RANGANADI (400 kV)	0%	100%	0%	0%	424	388	406
9		मीसा MISA (400 kV)	0%	99%	1%	1%	422	397	411
10		सिलचर SILCHAR (400 kV)	0%	99%	1%	1%	421	401	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 MARCH 2018

Date of reporting: 04-Apr-18

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-18	12.93	81.28	5.79	18.72	49.96
02-Mar-18	2.00	82.69	15.31	17.31	50.00
03-Mar-18	4.91	85.12	9.98	14.88	49.99
04-Mar-18	7.63	85.56	6.82	14.44	49.98
05-Mar-18	20.65	75.05	4.31	24.95	49.95
06-Mar-18	15.30	79.63	5.07	20.37	49.96
07-Mar-18	18.36	77.15	4.49	22.85	49.95
08-Mar-18	22.85	74.13	3.02	25.87	49.94
09-Mar-18	32.89	64.27	2.84	35.73	49.93
10-Mar-18	21.11	74.91	3.98	25.09	49.95
11-Mar-18	13.01	83.02	3.97	16.98	49.96
12-Mar-18	13.18	82.41	4.41	17.59	49.96
13-Mar-18	14.21	80.28	5.51	19.72	49.96
14-Mar-18	15.20	79.29	5.51	20.71	49.96
15-Mar-18	17.13	78.46	4.41	21.54	49.96
16-Mar-18	5.56	85.31	9.13	14.69	49.98
17-Mar-18	3.43	86.18	10.39	13.82	49.99
18-Mar-18	1.85	85.64	12.51	14.36	50.00
19-Mar-18	8.73	79.91	11.37	20.09	49.98
20-Mar-18	7.79	83.50	8.72	16.50	49.98
21-Mar-18	6.33	86.17	7.50	13.83	49.98
22-Mar-18	15.08	79.36	5.56	20.64	49.96
23-Mar-18	7.28	81.82	10.90	18.18	49.98
24-Mar-18	15.30	79.27	5.43	20.73	49.96
25-Mar-18	5.13	83.32	11.55	16.68	49.99
26-Mar-18	15.46	78.48	6.05	21.52	49.96
27-Mar-18	24.79	68.40	6.81	31.60	49.95
28-Mar-18	28.74	67.55	3.72	32.45	49.94
29-Mar-18	19.87	74.64	5.49	25.36	49.95
30-Mar-18	4.87	80.27	14.86	19.73	49.99
31-Mar-18	1.09	75.07	23.84	24.93	50.02
March 2018	12.99	79.29	7.72	20.71	49.97

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

