

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

Date: **04-Apr-2019**

System Reliability Indices Report for the month of March 2019

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	122	30.50	4.10
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	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	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.

FREQUENCY DEVIATION INDEX FOR MARCH 2019

Date of reporting:

04-Apr-19

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	No. of hours frequency is outside 49.95-50.05 Hz	Average Frequency (Hz)
	<49.90 Hz	49.90 - 50.05 Hz	>50.05 Hz			
01-Mar-19	5.29	66.89	27.82	33.11	7:56	50.01
02-Mar-19	10.09	62.38	27.52	37.62	9:01	50.01
03-Mar-19	12.30	65.81	21.89	34.19	8:12	49.99
04-Mar-19	13.18	64.56	22.26	35.44	8:30	49.99
05-Mar-19	22.40	68.15	9.46	31.85	7:38	49.95
06-Mar-19	10.42	78.34	11.24	21.66	5:11	49.98
07-Mar-19	21.37	69.51	9.12	30.49	7:19	49.96
08-Mar-19	14.53	75.32	10.15	24.68	5:55	49.97
09-Mar-19	28.62	64.70	6.68	35.30	8:28	49.95
10-Mar-19	16.33	68.91	14.76	31.09	7:27	49.97
11-Mar-19	14.40	74.88	10.72	25.12	6:01	49.97
12-Mar-19	12.57	72.65	14.78	27.35	6:33	49.98
13-Mar-19	7.60	76.98	15.42	23.02	5:31	49.99
14-Mar-19	6.30	80.54	13.16	19.46	4:40	49.99
15-Mar-19	2.06	82.95	14.99	17.05	4:05	50.01
16-Mar-19	4.55	69.63	25.82	30.37	7:17	50.01
17-Mar-19	8.36	69.86	21.78	30.14	7:14	50.00
18-Mar-19	4.21	67.96	27.82	32.04	7:41	50.01
19-Mar-19	4.47	74.16	21.38	25.84	6:12	50.01
20-Mar-19	7.43	74.09	18.48	25.91	6:13	50.00
21-Mar-19	5.28	60.07	34.65	39.93	9:35	50.02
22-Mar-19	5.60	66.45	27.95	33.55	8:03	50.01
23-Mar-19	6.02	79.27	14.71	20.73	4:58	50.00
24-Mar-19	2.86	71.48	25.66	28.52	6:50	50.02
25-Mar-19	6.35	76.11	17.53	23.89	5:44	50.00
26-Mar-19	6.02	65.81	28.17	34.19	8:12	50.01
27-Mar-19	7.49	72.21	20.30	27.79	6:40	50.00
28-Mar-19	16.47	73.04	10.49	26.96	6:28	49.97
29-Mar-19	3.73	79.19	17.08	20.81	4:59	50.00
30-Mar-19	6.30	72.05	21.66	27.95	6:42	50.01
31-Mar-19	0.12	62.25	37.64	37.75	9:03	50.04
March 2019	9.44	71.17	19.39	28.83	0.29	49.99

*FDI is defined as percentage of time for which frequency is outside IEGC band (49.90-50.05 Hz)

Voltage Profile

विद्युत विभव रूपरेखा माह - मार्च 2019

VOLTAGE PROFILE - March 2019

Date of reporting: 04-Apr-19

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)	Number of hours voltage was outside IEGC band during month	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%	0	798	765	778
2		गया GAYA	0%	100%	0%	0%	0	796	751	771
3		झारसुगड़ा JHARSUGUDA	0%	94%	6%	6%	43	808	780	793
4		रांची RANCHI	0%	100%	0%	0%	0	790	770	782
5		सासाराम SASARAM	0%	100%	0%	0%	0	777	736	759
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	802	760	783
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	98%	2%	2%	11	806	738	773
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	785	755	765
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	785	752	764
5		अंता ANTA	0%	100%	0%	0%	0	800	761	782
6		बलिया BALLIA	0%	100%	0%	0%	0	787	750	773
7		भिवानी BHIWANI	0%	95%	5%	5%	31	814	764	789
8		बरौली BAREILLY	0%	96%	4%	4%	28	813	757	786
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	792	743	766
10		ग्रेटर नोएडा GREATER NOIDA	0%	92%	8%	8%	52	812	767	791
11		झाटिकरा JHATIKARA	0%	98%	2%	2%	17	810	762	788
12		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	797	756	771
13		लखनऊ LUCKNOW	0%	99%	1%	1%	10	809	756	781
14		ललितपुर LALITPUR	1%	99%	0%	1%	7	803	718	762
15		मेरठ MEERUT	0%	98%	2%	2%	15	816	756	786
16		मोगा MOGA	0%	100%	0%	0%	1	806	752	776
17		फागी PHAGI	0%	99%	1%	1%	8	804	742	785
18		वाराणसी VARANASI	0%	100%	0%	0%	0	794	757	777
19		उन्नाव UNNAO	0%	100%	0%	0%	0	787	716	756
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	790	753	772
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	802	763	783
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	794	757	776
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	787	764	776
5		बीना BINA	0%	100%	0%	0%	0	801	766	785
6		चापा CHAMPA	0%	91%	9%	9%	59	807	784	795
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	795	770	782
8		धुल (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	797	766	781
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	790	751	773
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	801	764	785
11		इंदौर INDORE	0%	100%	0%	0%	0	794	755	775
12		जबलपुर JABALPUR	0%	100%	0%	0%	2	802	769	788
13		कोरडी KORADI	0%	100%	0%	0%	0	775	751	763
14		पुणे PUNE	0%	100%	0%	0%	0	800	731	774
15		रायगढ़ पूलिंग RAIGARH POOLING	0%	98%	2%	2%	12	803	782	793
16		रायपुर पूलिंग RAIPUR POOLING	0%	100%	0%	0%	0	798	773	785
17		सासन SASAN	0%	100%	0%	0%	0	784	760	773
18		सतना SATNA	0%	100%	0%	0%	0	793	763	778
19		सिवनी SEONI	0%	100%	0%	0%	0	797	764	781
20		सोपत SIPAT	0%	100%	0%	0%	0	785	764	775
21		सोलापुर SOLAPUR	0%	96%	4%	4%	24	810	767	790
22		तामनार TAMNAR	0%	99%	1%	1%	9	802	783	792
23		तिरुंगा TIRORA	0%	100%	0%	0%	0	769	750	759
24		वडोदरा VADODARA	0%	100%	0%	0%	3	804	760	783
25		विंध्याचल पूलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	785	759	774
26		वर्धा WARDHA	0%	100%	0%	0%	1	803	765	785
1	दक्षिणी क्षेत्र SR	कन्नूल KURNOOL	0%	99%	1%	1%	6	806	752	780
2		नेल्लूर पूलिंग NELLORE PS	0%	100%	0%	0%	0	798	750	775
3		रायचूर RAICHUR	0%	100%	0%	0%	1	803	756	781
4		निज़ामाबाद NIZAMABAD	0%	99%	1%	1%	7	806	766	788
5		श्रीकाकुलम SRIKAKULAM	0%	99%	1%	1%	7	807	766	788
6		तिरुवलम THIRUVALEM	0%	75%	25%	25%	168	817	761	792
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	413	400	408
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	1	422	389	408
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	1	424	387	407
4		बोंगाईगांव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	414	391	404
5		बोंगाईगांव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	420	396	410
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	413	400	408
7		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	0	417	389	409
8		रंगानदी RANGANADI (400 kV)	0%	73%	27%	27%	180	432	395	416
9		मोसा MISA (400 kV)	0%	98%	2%	2%	14	425	391	411
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	417	391	405

All listed stations are 765 kV stations unless otherwise mentioned
*Percentage is calculated w.r.t. Time of one month.

- AGARTALA
- BALIPARA
- MOGA
- THRISSUR
- FARAKKA
- SLPR7
- SOMANAHALLI
- NTPC-VINDHYACHAL
- NEW KOYANA
- BALIA_BUS1
- CGPL Mundra
- GAJUWAKA
- BASSI_BUS1
- AGRA_BUS1
- AGRA_GWALIOR72
- VTNDP41 PG

Voltage 1 Angle NTPC-VINDHYACHAL

