

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

System Reliability Indices Report for the month of October 2018

Date: 5-Nov-2018

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	106	26.50	3.56
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	5	1.25	0.17
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 OCTOBER 2018

Date of reporting:

05-Nov-18

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	No. of hours frequency is outside 49.9-50.05 Hz	Average Frequency (Hz)
	<49.9 Hz	49.9 - 50.05 Hz	>50.05 Hz			
01-Oct-18	18.39	74.70	6.91	25.30	6:04	49.96
02-Oct-18	5.89	84.38	9.73	15.63	3:45	49.99
03-Oct-18	7.37	87.03	5.60	12.97	3:06	49.98
04-Oct-18	9.16	83.98	6.86	16.02	3:50	49.98
05-Oct-18	14.25	74.98	10.78	25.02	6:00	49.98
06-Oct-18	6.06	84.22	9.71	15.78	3:47	49.99
07-Oct-18	9.64	79.34	11.02	20.66	4:57	49.98
08-Oct-18	23.45	70.96	5.59	29.04	6:58	49.95
09-Oct-18	9.40	83.88	6.72	16.12	3:52	49.97
10-Oct-18	12.51	80.97	6.52	19.03	4:34	49.97
11-Oct-18	9.36	77.94	12.70	22.06	5:17	49.99
12-Oct-18	11.39	75.51	13.10	24.49	5:52	49.98
13-Oct-18	7.52	79.33	13.15	20.67	4:57	49.99
14-Oct-18	9.90	83.92	6.18	16.08	3:51	49.97
15-Oct-18	15.95	77.31	6.74	22.69	5:26	49.97
16-Oct-18	6.47	83.84	9.69	16.16	3:52	49.98
17-Oct-18	2.55	86.70	10.75	13.30	3:11	49.99
18-Oct-18	15.80	78.50	5.71	21.50	5:09	49.96
19-Oct-18	4.11	85.35	10.54	14.65	3:31	49.99
20-Oct-18	19.14	76.60	4.26	23.40	5:37	49.95
21-Oct-18	26.30	70.49	3.22	29.51	7:05	49.94
22-Oct-18	37.64	60.25	2.11	39.75	9:32	49.92
23-Oct-18	23.24	71.12	5.64	28.88	6:55	49.95
24-Oct-18	9.92	82.05	8.03	17.95	4:18	49.97
25-Oct-18	10.54	76.49	12.96	23.51	5:38	49.99
26-Oct-18	5.25	84.83	9.92	15.17	3:38	49.99
27-Oct-18	10.83	80.88	8.29	19.12	4:35	49.98
28-Oct-18	4.24	78.48	17.28	21.52	5:09	50.00
29-Oct-18	7.25	80.13	12.63	19.87	4:46	49.98
30-Oct-18	14.81	80.58	4.61	19.42	4:39	49.96
31-Oct-18	17.84	75.90	6.26	24.10	5:47	49.96
October 2018	12.46	79.05	8.49	20.95	0.21	49.97

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

विद्युत विभव रूपरेखा माह – अक्तूबर 2018

VOLTAGE PROFILE - OCTOBER 2018

Date of reporting: 05-Nov-18

क्र.सं. 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)	Number of hours voltage was outside IEGC band during month	उच्चतम (कि.वी.) Maximum(kV)	निम्नतम(कि.वी.) Minimum(kV)	औसत (कि.वी.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगल ANGUL	0%	100%	0%	0%	0	791	744	774
2		गया GAYA	0%	100%	0%	0%	0	792	755	774
3		झारसगुडा JHARSUGUDA	0%	99%	1%	1%	4	805	776	790
4		रांची RANCHI	0%	100%	0%	0%	0	794	769	779
5		सासाराम SASARAM	0%	100%	0%	0%	0	788	736	758
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	798	759	780
2		आगरा (फतेहबाद) AGRA (FATEHABAD)	0%	98%	2%	2%	17	807	747	786
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	779	759	769
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	777	754	767
5		अंता ANTA	0%	100%	0%	0%	0	797	763	781
6		बलिया BALLIA	0%	100%	0%	0%	0	790	748	770
7		भिवानी BHIWANI	0%	98%	2%	2%	16	807	766	788
8		बरौली BAREILLY	0%	100%	0%	0%	0	760	759	759
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	786	741	760
10		ग्रेटर नोएडा GREATER NOIDA	0%	99%	1%	1%	8	807	768	789
11		झाटिका JHATIKARA	0%	100%	0%	0%	1	803	761	782
12		कानपुर जीआइएस KANPUR GIS	0%	100%	0%	0%	0	760	758	760
13		लखनऊ LUCKNOW	0%	100%	0%	0%	0	800	752	777
14		ललितपुर LALITPUR	0%	100%	0%	0%	0	794	732	773
15		मेरठ MEERUT	0%	94%	6%	6%	47	811	764	789
16		मोगा MOGA	0%	100%	0%	0%	1	803	747	777
17		फागी PHAGI	0%	100%	0%	0%	0	803	764	784
18		वाराणसी VARANASI	0%	100%	0%	0%	0	790	758	777
19		उन्नाव UNNAO	0%	100%	0%	0%	0	783	739	768
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	790	745	771
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	796	736	778
3		भोपाळ (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	789	747	770
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	776	754	776
5		बीना BINA	0%	100%	0%	0%	0	792	758	776
6		चांपा CHAMPA	0%	99%	1%	1%	10	804	778	792
7		धर्मपुर DHARAMJAIGARH	0%	100%	0%	0%	0	787	759	776
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	798	736	772
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	789	742	768
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	799	763	782
11		इंदौर INDORE	0%	100%	0%	0%	0	791	744	770
12		जबलपुर JABALPUR	0%	100%	0%	0%	0	801	763	780
13		कोरडी KORADI	0%	100%	0%	0%	0	779	752	765
14		पुणे PUNE	0%	100%	0%	0%	0	796	728	775
15		रायगढ़ पोलिंग RAIGARH POOLING	0%	99%	1%	1%	8	900	714	790
16		रायपुर पोलिंग RAIPUR POOLING	0%	100%	0%	0%	0	794	765	785
17		सासन SASAN	0%	100%	0%	0%	0	775	756	765
18		सतना SATNA	0%	100%	0%	0%	0	781	752	767
19		सिवनी SEONI	0%	100%	0%	0%	0	794	746	777
20		सीपत SIPAT	0%	100%	0%	0%	0	774	754	765
21		सोलापुर SOLAPUR	0%	97%	3%	3%	20	806	747	787
22		तामनार TAMNAR	0%	99%	1%	1%	9	803	777	791
23		तिरुंगा TIROGA	0%	100%	0%	0%	0	770	751	760
24		वाडोदरा VADODARA	0%	100%	0%	0%	0	799	739	776
25		विन्ध्यचल पोलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	776	757	766
26		वर्धा WARDHA	0%	100%	0%	0%	0	801	744	783
1	दक्षिणी क्षेत्र SR	कर्नूल KURNOOL	0%	96%	4%	4%	32	810	759	786
2		नेल्दूर पोलिंग NELLORE PS	0%	99%	1%	1%	5	804	764	784
3		रायचूर RAICHUR	0%	98%	2%	2%	18	808	762	786
4		निज़ामाबाद NIZAMABAD	0%	96%	4%	4%	31	808	746	787
5		श्रीकाकुलम SRIKAKULAM	0%	95%	5%	5%	40	809	747	788
6		तिरुवल्लम THIRUVALEM	0%	69%	31%	31%	230	823	762	794
1	पूर्वोत्तर क्षेत्र NER	अज़ारा AZARA (400 kV)	0%	100%	0%	0%	0	411	400	406
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	1	425	393	410
3		बिस्वानाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	1	425	390	409
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	414	390	404
5		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	1	421	395	411
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	411	400	406
7		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	0	417	387	413
8		रंगानादी RANGANADI (400 kV)	0%	100%	0%	0%	0	410	410	410
9		मिसा MISA (400 kV)	0%	97%	3%	3%	20	426	389	414
10		शिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	415	392	407

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

