

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

System Reliability Indices Report for the month of August 2018

Date: 5-Sep-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	104	26.00	3.49
2	ER-NR	0	0.00	0.00
3	Import of NR	53	13.25	1.78
4	NEW-SR	0	0.00	0.00
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	28	7.00	0.94
2	ER-NR	0	0.00	0.00
3	Import of NR	5	1.25	0.17
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 – अगस्त 2018

VOLTAGE PROFILE - AUGUST 2018

Date of reporting: 05-Sep-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.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगल ANGUL	0%	100%	0%	0%	0	795	761	779
2		गया GAYA	0%	100%	0%	0%	0	788	745	768
3		झारसगडा JHARSUGUDA	0%	99%	1%	1%	6	804	776	790
4		रांची RANCHI	0%	100%	0%	0%	0	788	762	777
5		सासाराम SASARAM	0%	100%	0%	0%	0	794	726	760
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	799	752	777
2		आगरा (फतेहाबाद) AGRA (FATEHABAD)	0%	96%	4%	4%	30	808	747	782
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	784	754	768
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	783	752	767
5		अंता ANTA	0%	100%	0%	0%	0	796	761	781
6		बलिया BALLIA	0%	100%	0%	0%	0	800	742	769
7		भिवानी BHIWANI	0%	100%	0%	0%	0	800	755	778
8		बरेली BAREILLY	0%	100%	0%	0%	0	760	728	759
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	792	728	766
10		ग्रेटर नोएडा GREATER NOIDA	0%	100%	0%	0%	0	802	754	778
11		झटिकटा JHATIKARA	0%	100%	0%	0%	0	793	748	771
12		कानपुर जॉइंटिंग KANPUR GIS	0%	100%	0%	0%	0	760	750	759
13		लखनऊ LUCKNOW	0%	100%	0%	0%	2	807	738	772
14		ललितपुर LALITPUR	0%	100%	0%	0%	0	800	726	777
15		मेरठ MEERUT	0%	99%	1%	1%	8	804	758	782
16		मोगा MOGA	0%	100%	0%	0%	1	803	746	773
17		फागी PHAGI	0%	100%	0%	0%	1	803	753	780
18		वाराणसी VARANASI	0%	100%	0%	0%	0	796	749	775
19		उन्नाव UNNAO	0%	100%	0%	0%	0	788	730	760
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	796	754	779
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	1	803	757	787
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	793	755	772
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	779	759	769
5		बीना BINA	0%	100%	0%	0%	0	800	755	778
6		चांपा CHAMPA	0%	99%	1%	1%	6	805	772	789
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	788	758	775
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	1	801	756	784
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	798	754	779
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	800	753	778
11		इंदौर INDORE	0%	100%	0%	0%	0	795	756	776
12		जबलपुर JABALPUR	0%	99%	1%	1%	5	803	758	782
13		कोरडी KORADI	0%	100%	0%	0%	0	782	752	770
14		पुणे PUNE	0%	100%	0%	0%	0	800	741	780
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	99%	1%	1%	7	803	775	790
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	0	797	765	783
17		सासन SASAN	0%	100%	0%	0%	0	783	751	765
18		सतना SATNA	0%	100%	0%	0%	0	789	746	767
19		सिवनी SEONI	0%	100%	0%	0%	1	801	771	787
20		सीपट SIPAT	0%	100%	0%	0%	0	778	759	768
21		सोलापुर SOLAPUR	0%	95%	5%	5%	38	807	764	790
22		तामनार TAMNAR	0%	99%	1%	1%	6	802	776	790
23		तिरोडा TIRORA	0%	100%	0%	0%	0	774	752	764
24		वडोदरा VADODARA	0%	99%	1%	1%	11	806	763	785
25		विन्ध्यवाचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	784	752	766
26		वर्धा WARDHA	0%	100%	0%	0%	1	803	763	788
1	दक्षिणी क्षेत्र SR	कूर्नूल KURNOOL	0%	98%	2%	2%	16	808	750	784
2		नेल्लूर पुलिंग NELLORE PS	0%	98%	2%	2%	13	809	758	785
3		रायचूर RAICHUR	0%	97%	3%	3%	23	805	760	787
4		निजामाबाद NIZAMABAD	0%	94%	6%	6%	44	808	757	788
5		श्रीकाकुलम SRIKAKULAM	0%	94%	6%	6%	47	810	756	788
6		तिरुवल्लूर THIRUVALEM	0%	63%	37%	37%	273	821	757	796
1	पूर्वोत्तर क्षेत्र NER	अजारा AZARA (400 kV)	0%	100%	0%	0%	0	409	397	405
2		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	1	422	378	408
3		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	1	422	371	407
4		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	412	384	401
5		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	421	390	408
6		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	409	397	405
7		पालाटाना PALATANA (400 kV)	0%	100%	0%	0%	2	421	402	414
8		रंगानादी RANGANADI (400 kV)	0%	100%	0%	0%	1	421	378	408
9		मीसा MISA (400 kV)	0%	100%	0%	0%	3	424	385	411
10		सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	417	389	407

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

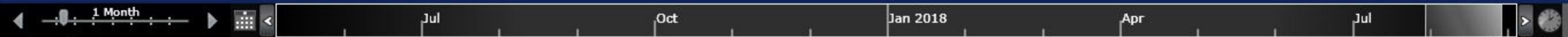
FREQUENCY DEVIATION INDEX FOR AUGUST 2018

Date of reporting:

05-Sep-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-Aug-18	2.64	85.31	12.05	14.69	3:31	49.99
02-Aug-18	22.07	72.72	5.21	27.28	6:32	49.95
03-Aug-18	7.93	81.61	10.46	18.39	4:24	49.98
04-Aug-18	13.32	81.53	5.15	18.47	4:26	49.96
05-Aug-18	7.87	79.75	12.38	20.25	4:51	49.99
06-Aug-18	6.75	85.61	7.64	14.39	3:27	49.98
07-Aug-18	21.13	73.99	4.87	26.01	6:14	49.95
08-Aug-18	12.04	84.17	3.80	15.83	3:48	49.97
09-Aug-18	12.56	78.91	8.53	21.09	5:03	49.97
10-Aug-18	17.88	79.66	2.45	20.34	4:52	49.95
11-Aug-18	1.79	86.62	11.59	13.38	3:12	49.99
12-Aug-18	1.92	82.91	15.17	17.09	4:06	50.01
13-Aug-18	14.02	72.97	13.01	27.03	6:29	49.98
14-Aug-18	12.07	80.83	7.09	19.17	4:36	49.97
15-Aug-18	1.09	78.61	20.30	21.39	5:08	50.01
16-Aug-18	0.65	76.24	23.11	23.76	5:42	50.01
17-Aug-18	8.54	79.94	11.52	20.06	4:48	49.99
18-Aug-18	13.67	76.50	9.83	23.50	5:38	49.97
19-Aug-18	0.98	85.02	13.99	14.98	3:35	50.00
20-Aug-18	2.81	77.48	19.71	22.52	5:24	50.01
21-Aug-18	7.22	81.52	11.26	18.48	4:26	49.99
22-Aug-18	9.02	80.89	10.09	19.11	4:35	49.97
23-Aug-18	10.35	83.32	6.33	16.68	4:00	49.97
24-Aug-18	7.13	84.64	8.23	15.36	3:41	49.98
25-Aug-18	2.35	81.25	16.40	18.75	4:30	50.00
26-Aug-18	1.06	76.96	21.98	23.04	5:31	50.01
27-Aug-18	6.19	86.25	7.56	13.75	3:18	49.98
28-Aug-18	16.31	78.11	5.58	21.89	5:15	49.96
29-Aug-18	15.94	75.42	8.65	24.58	5:54	49.97
30-Aug-18	11.31	80.08	8.61	19.92	4:46	49.98
31-Aug-18	8.52	81.94	9.54	18.06	4:20	49.98
August 2018	8.94	80.35	10.71	19.65	146:12	49.98

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



Standard Chart

- BALIPARA
 - BONGAIGAON
 - SLPR4
 - THRISSUR
 - JABALPUR
 - RANCHI
 - RAMAGUNDAM
 - NTPC-VINDHYACHAL
 - BALLIA
 - BASSI
- Voltage 1 Angle NTPC-VINDHYACHAL

