

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

System Reliability Indices Report for the month of June 2018

Date: 5-Jul-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	176	44.00	6.11
2	ER-NR	0	0.00	0.00
3	Import of NR	165	41.25	5.73
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	32	8.00	1.11
2	ER-NR	0	0.00	0.00
3	Import of NR	15	3.75	0.52
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 - जून 2018

VOLTAGE PROFILE - JUNE 2018

Date of reporting: 05-Jul-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	793	760	777
2		गया GAYA	0%	100%	0%	0%	0	791	741	766
3		झारसगडा JHARSUGUDA	0%	100%	0%	0%	3	803	767	785
4		रांची RANCHI	0%	100%	0%	0%	0	798	752	775
5		सासाराम SASARAM	1%	99%	0%	1%	6	794	705	762
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	806	710	772
2		आगरा (फतेहबाद) AGRA (FATEHABAD)	0%	98%	2%	2%	14	805	762	782
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	785	742	766
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	782	753	765
5		अंता ANTA	0%	100%	0%	0%	0	798	759	777
6		बलिया BALLIA	0%	100%	0%	0%	0	798	733	768
7		भिवानी BHIWANI	0%	98%	2%	2%	12	807	754	776
8		बरेली BAREILLY	0%	100%	0%	0%	0	760	740	759
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	795	736	765
10		ग्रेटर नोएडा GREATER NOIDA	0%	98%	2%	2%	15	809	743	775
11		झटिकटा JHATIKARA	0%	100%	0%	0%	1	805	746	771
12		कानपुर जॉइंटिंग KANPUR GIS	1%	99%	0%	1%	5	760	724	759
13		लखनऊ LUCKNOW	0%	100%	0%	0%	1	803	734	770
14		ललितपुर LALITPUR	0%	100%	0%	0%	0	792	763	778
15		मेरठ MEERUT	0%	98%	2%	2%	16	812	756	779
16		मोगा MOGA	0%	100%	0%	0%	1	808	749	772
17		फागी PHAGI	0%	100%	0%	0%	2	806	744	777
18		वाराणसी VARANASI	0%	100%	0%	0%	1	802	735	772
19		उन्नाव UNNAO	0%	100%	0%	0%	1	786	718	757
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	789	756	774
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	801	761	784
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	788	742	768
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	779	748	764
5		बीना BINA	0%	100%	0%	0%	1	802	752	776
6		चांपा CHAMPA	0%	97%	3%	3%	19	806	768	790
7		धर्मजयगढ़ DHARAMJAIGARH	0%	100%	0%	0%	0	787	722	771
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	800	752	778
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	792	751	772
10		ग्वालियर GWALIOR	0%	100%	0%	0%	3	805	751	775
11		इंदौर INDORE	0%	100%	0%	0%	0	790	745	770
12		जबलपुर JABALPUR	0%	99%	1%	1%	5	804	752	779
13		कोरडी KORADI	0%	100%	0%	0%	0	781	753	767
14		पुणे PUNE	0%	100%	0%	0%	0	800	735	777
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	97%	3%	3%	22	806	773	791
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	0	799	765	786
17		सासन SASAN	0%	100%	0%	0%	0	786	750	766
18		सतना SATNA	0%	100%	0%	0%	0	795	746	768
19		शिवनी SEONI	0%	100%	0%	0%	0	800	762	781
20		सीपट SIPAT	0%	100%	0%	0%	0	776	749	763
21		सोलापुर SOLAPUR	0%	95%	5%	5%	38	809	752	791
22		तामनाम TAMNAR	0%	98%	2%	2%	14	807	774	791
23		तिरोडा TIRORA	0%	100%	0%	0%	0	774	753	763
24		वडोदरा VADODARA	0%	100%	0%	0%	0	800	743	775
25		विन्ध्यवाचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	787	751	767
1	दक्षिणी क्षेत्र SR	वर्धा WARDHA	0%	99%	1%	1%	8	806	767	788
2		कन्नड KURNOOL	0%	97%	3%	3%	25	809	759	786
3		नेल्लूर पुलिंग NELLORE PS	0%	99%	1%	1%	5	808	761	782
4		रायचूर RAICHUR	0%	91%	9%	9%	65	808	767	790
5		निजामाबाद NIZAMABAD	0%	82%	18%	18%	133	811	721	792
6		श्रीकाकुलम SRIKAKULAM	0%	80%	20%	20%	145	812	768	793
1	पूर्वोत्तर क्षेत्र NER	तिरुवल्लूर THIRUVALLEEM	0%	64%	36%	36%	261	819	768	796
2		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	411	400	406
3		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	2	421	393	409
4		बिस्वनाथ चरियालि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	420	390	407
5		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	413	391	402
6		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	100%	0%	0%	0	420	397	409
7		बर्निहाट BYRNIHAT (400 kV)	0%	100%	0%	0%	0	411	400	406
8		पालाटाना PALATANA (400 kV)	0%	99%	1%	1%	6	421	404	415
9		रंगानादी RANGANADI (400 kV)	0%	96%	4%	4%	31	429	393	410
10		मीसा MISA (400 kV)	0%	99%	1%	1%	9	424	397	411
11	सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	0	426	396	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 JUNE 2018

Date of reporting:

05-Jul-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-Jun-18	5.43	73.16	21.41	26.84	6:26	50.00
02-Jun-18	2.52	82.70	14.78	17.30	4:09	50.00
03-Jun-18	2.74	75.03	22.22	24.97	5:59	50.01
04-Jun-18	18.02	77.87	4.11	22.13	5:18	49.95
05-Jun-18	12.84	80.59	6.57	19.41	4:39	49.97
06-Jun-18	14.36	74.84	10.80	25.16	6:02	49.98
07-Jun-18	16.10	77.78	6.12	22.22	5:20	49.97
08-Jun-18	1.46	88.34	10.20	11.66	2:47	50.00
09-Jun-18	2.13	77.92	19.95	22.08	5:18	50.01
10-Jun-18	3.55	75.10	21.34	24.90	5:58	50.01
11-Jun-18	2.27	86.24	11.49	13.76	3:18	50.00
12-Jun-18	5.79	80.41	13.81	19.59	4:42	49.99
13-Jun-18	13.90	75.57	10.53	24.43	5:51	49.97
14-Jun-18	24.94	72.08	2.97	27.92	6:42	49.94
15-Jun-18	13.36	77.55	9.10	22.45	5:23	49.97
16-Jun-18	4.57	82.42	13.01	17.58	4:13	49.99
17-Jun-18	2.80	76.82	20.38	23.18	5:33	50.01
18-Jun-18	24.39	68.70	6.91	31.30	7:30	49.95
19-Jun-18	33.33	61.06	5.60	38.94	9:20	49.93
20-Jun-18	41.18	56.42	2.40	43.58	10:27	49.91
21-Jun-18	33.13	62.00	4.87	38.00	9:07	49.94
22-Jun-18	17.13	79.13	3.74	20.87	5:00	49.96
23-Jun-18	11.96	80.00	8.04	20.00	4:48	49.97
24-Jun-18	2.67	83.83	13.50	16.17	3:52	50.00
25-Jun-18	1.54	84.43	14.03	15.57	3:44	50.00
26-Jun-18	3.81	79.39	16.81	20.61	4:56	50.00
27-Jun-18	2.29	84.88	12.82	15.12	3:37	49.99
28-Jun-18	7.49	77.09	15.42	22.91	5:29	50.00
29-Jun-18	11.89	81.34	6.77	18.66	4:28	49.97
30-Jun-18	17.71	76.39	5.90	23.61	5:40	49.96
June 2018	11.84	76.97	11.19	23.03	165:49	49.98

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

