

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

System Reliability Indices Report for the month of May 2018

Date: 5-Jun-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	21	5.25	0.71
2	ER-NR	0	0.00	0.00
3	Import of NR	80	20.00	2.69
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	1	0.25	0.03
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 – मई 2018

VOLTAGE PROFILE - MAY 2018

Date of reporting: 05-Jun-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%	99%	1%	1%	6	804	755	775
2		गया GAYA	0%	100%	0%	0%	0	797	737	765
3		झारसगडा JHARSUGUDA	0%	99%	1%	1%	8	805	773	787
4		रांची RANCHI	0%	99%	1%	1%	6	804	757	779
5		सासाराम SASARAM	0%	100%	0%	0%	0	798	726	761
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	797	739	768
2		आगरा (फतेहगढ़) AGRA (FATEHABAD)	0%	100%	0%	0%	2	807	738	778
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	787	753	765
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	785	752	763
5		अंता ANTA	0%	100%	0%	0%	1	800	760	777
6		बलिया BALLIA	0%	100%	0%	0%	1	804	734	767
7		भिवानी BHIWANI	0%	98%	2%	2%	16	811	756	780
8		बरेली BAREILLY	0%	100%	0%	0%	0	760	742	756
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	1	793	725	762
10		ग्रेटर नोएडा GREATER NOIDA	0%	98%	2%	2%	15	809	746	776
11		झटिकटा JHATIKARA	0%	96%	4%	4%	26	807	730	770
12		कानपुर जॉइंटिंग्स KANPUR GIS	0%	100%	0%	0%	0	760	733	758
13		लखनऊ LUCKNOW	0%	99%	1%	1%	8	808	742	771
14		ललितपुर LALITPUR	0%	100%	0%	0%	0	792	753	772
15		मेरठ MEERUT	0%	95%	5%	5%	35	819	754	781
16		मोगा MOGA	0%	100%	0%	0%	2	806	719	774
17		फागी PHAGI	0%	100%	0%	0%	3	805	735	776
18		वाराणसी VARANASI	0%	99%	1%	1%	9	807	741	768
19		उन्नाव UNNAO	0%	100%	0%	0%	0	786	733	757
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	788	753	771
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	799	755	779
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	791	743	768
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	777	756	766
5		बीना BINA	0%	100%	0%	0%	0	796	755	775
6		चांपा CHAMPA	0%	97%	3%	3%	18	810	771	789
7		धर्मजयगढ़ DHARAMJAGARH	0%	100%	0%	0%	0	793	758	773
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	793	758	773
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	791	749	768
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	804	752	776
11		इंदौर INDORE	0%	100%	0%	0%	0	790	748	770
12		जबलपुर JABALPUR	0%	100%	0%	0%	1	801	761	782
13		कोरडी KORADI	0%	100%	0%	0%	0	779	753	766
14		पुणे PUNE	0%	100%	0%	0%	0	799	738	772
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	98%	2%	2%	15	806	778	791
16		रायपुर पुलिंग RAIPUR POOLING	0%	99%	1%	1%	7	804	766	786
17		सासन SASAN	0%	100%	0%	0%	0	785	752	766
18		सतना SATNA	0%	100%	0%	0%	0	790	744	766
19		शिवनी SEONI	0%	100%	0%	0%	0	795	764	778
20		सीपट SIPAT	0%	100%	0%	0%	0	774	757	765
21		सोलापुर SOLAPUR	0%	96%	4%	4%	26	810	766	789
22		तामनाम TAMNAR	0%	98%	2%	2%	13	805	775	791
23		तिरोडा TIRORA	0%	100%	0%	0%	0	773	751	763
24		वडोदरा VADODARA	0%	100%	0%	0%	0	794	747	775
25		विन्ध्यवाचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	786	755	766
1	दक्षिणी क्षेत्र SR	वर्धा WARDHA	0%	100%	0%	0%	3	804	767	786
2		कन्नड KURNOOL	0%	96%	4%	4%	26	808	762	786
3		नेल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	0	800	762	780
4		रायचूर RAICHUR	0%	95%	5%	5%	39	807	767	789
5		निजामाबाद NIZAMABAD	0%	73%	27%	27%	192	814	777	796
6		श्रीकाकुलम SRIKAKULAM	0%	68%	32%	32%	232	815	777	796
1	पूर्वोत्तरी क्षेत्र NER	तिरुवल्लूर THIRUVALLEM	0%	79%	21%	21%	159	812	760	792
2		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	413	399	408
3		बालिपारा BALIPARA (400 kV)	0%	100%	0%	0%	0	422	383	409
4		बिस्वनाथ चरियालि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	421	378	407
5		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	420	394	406
6		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	99%	1%	1%	6	424	399	411
7		बर्निहाट BYRNHAT (400 kV)	0%	100%	0%	0%	0	413	399	408
8		पालाटाना PALATANA (400 kV)	0%	87%	13%	13%	93	423	403	418
9		रंगानादी RANGANADI (400 kV)	0%	100%	0%	0%	3	426	394	408
10		मीसा MISA (400 kV)	0%	98%	2%	2%	16	424	388	412
11	सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	2	424	399	411	

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

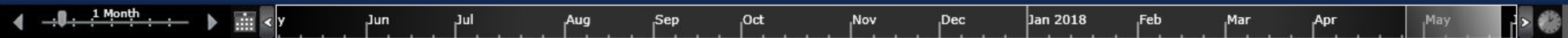
FREQUENCY DEVIATION INDEX FOR MAY 2018

Date of reporting:

05-Jun-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-May-18	1.98	78.74	19.28	21.26	5:06	50.00
02-May-18	1.09	74.88	24.03	25.12	6:01	50.02
03-May-18	7.22	63.16	29.62	36.84	8:50	50.01
04-May-18	15.83	78.46	5.71	21.54	5:10	49.96
05-May-18	31.85	66.30	1.85	33.70	8:05	49.92
06-May-18	8.15	87.77	4.09	12.23	2:56	49.98
07-May-18	26.09	67.13	6.78	32.87	7:53	49.95
08-May-18	13.56	79.97	6.47	20.03	4:48	49.97
09-May-18	27.95	68.25	3.80	31.75	7:37	49.94
10-May-18	54.27	44.38	1.35	55.63	13:21	49.89
11-May-18	28.17	67.22	4.61	32.78	7:52	49.94
12-May-18	17.75	74.79	7.45	25.21	6:03	49.97
13-May-18	7.53	77.60	14.86	22.40	5:22	49.99
14-May-18	7.67	71.60	20.73	28.40	6:49	50.00
15-May-18	19.51	78.60	1.89	21.40	5:08	49.95
16-May-18	38.81	57.12	4.07	42.88	10:17	49.92
17-May-18	20.06	75.43	4.51	24.57	5:53	49.95
18-May-18	41.01	55.38	3.61	44.62	10:42	49.92
19-May-18	43.75	54.86	1.39	45.14	10:50	49.91
20-May-18	12.16	80.64	7.20	19.36	4:38	49.98
21-May-18	28.70	65.23	6.06	34.77	8:20	49.94
22-May-18	38.60	59.12	2.28	40.88	9:48	49.92
23-May-18	21.90	72.88	5.22	27.12	6:30	49.95
24-May-18	16.59	77.34	6.08	22.66	5:26	49.96
25-May-18	11.52	81.26	7.22	18.74	4:29	49.97
26-May-18	40.60	56.18	3.22	43.82	10:31	49.91
27-May-18	15.98	78.68	5.34	21.32	5:07	49.96
28-May-18	25.21	71.40	3.39	28.60	6:51	49.94
29-May-18	4.79	87.26	7.95	12.74	3:03	49.98
30-May-18	27.64	63.54	8.82	36.46	8:45	49.95
31-May-18	42.01	56.74	1.25	43.26	10:23	49.91
May 2018	22.52	70.06	7.42	29.94	222:44	49.95

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



Standard Chart

- THRISSUR
 - BVT
 - RANCHI
 - NTPC-VINDHYACHAL
 - BASSI
 - BALLIA
 - CGPL Mundra
 - IMPHAL
 - BALIPARA
 - FARAKKA
 - RAMAGUNDAM
- Voltage 1 Angle NTPC-VINDHYACHAL

