

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

Date of Reporting: 21-Jan-17
System Reliability Indices Report for: 20-Jan-17

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	32	8.00	33.33
2	ER-NR	0	0.00	0.00
3	Import of NR	28	7.00	29.17
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	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	1	0.25	1.04
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.

Voltage Profile for the day of 20-Jan-2017

Region	Station	%age of time Voltage below 728/380 kV	%age of time Voltage between 728/380 kV & 800/420 kV	%age of time Voltage above 800/420 kV	Voltage deviation index (%age of time voltage is outside IEGC band)	Maximum Voltage (kV)	Minimum Voltage (kV)	Average Voltage (kV)
NR	Agra	0.00%	100.00%	0.00%	0.00%	786	746	769
	Anpara-C	0.00%	100.00%	0.00%	0.00%	773	752	763
	Ballia	0.00%	100.00%	0.00%	0.00%	787	753	771
	Bhiwani	0.00%	84.38%	15.63%	15.63%	804	762	785
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	755	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	773	736	756
	Jhatikara	0.00%	90.07%	9.93%	9.93%	804	758	782
	Lucknow	0.00%	100.00%	0.00%	0.00%	800	760	781
	Meerut	0.00%	97.50%	1.46%	1.46%	805	763	783
	Moga	0.00%	100.00%	0.00%	0.00%	788	765	783
Phagi	0.00%	100.00%	0.00%	0.00%	797	751	776	
Unnao	0.63%	99.38%	0.00%	0.63%	770	726	754	
WR	Akola	0.00%	100.00%	0.00%	0.00%	789	761	776
	Aurangabad	0.00%	100.00%	0.00%	0.00%	799	756	777
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	792	756	771
	Bilaspur	0.00%	100.00%	0.00%	0.00%	776	753	762
	Bina	0.00%	100.00%	0.00%	0.00%	795	756	774
	Champa	0.00%	95.90%	1.67%	1.67%	804	780	789
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	795	770	779
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	799	758	777
	Gwalior	0.00%	100.00%	0.00%	0.00%	793	752	775
	Indore	0.00%	100.00%	0.00%	0.00%	793	754	774
	Jabalpur	0.00%	97.99%	2.01%	2.01%	803	768	782
	Koradi	0.00%	100.00%	0.00%	0.00%	778	757	769
	Pune	0.00%	100.00%	0.00%	0.00%	795	750	770
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	800	778	787
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	796	768	781
	Sasan	0.00%	100.00%	0.00%	0.00%	778	756	766
	Satna	0.00%	100.00%	0.00%	0.00%	786	754	771
	Seoni	0.00%	100.00%	0.00%	0.00%	795	756	774
	Sipat	0.00%	100.00%	0.00%	0.00%	773	753	761
	Sholapur	0.00%	89.86%	10.14%	10.14%	808	768	789
Tamnara PS	0.00%	100.00%	0.00%	0.00%	798	778	787	
Tirora	0.00%	100.00%	0.00%	0.00%	772	758	766	
Vadodara	0.00%	100.00%	0.00%	0.00%	799	763	779	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	766	766	766	
Wardha	0.00%	96.32%	3.68%	3.68%	802	762	780	
SR	Nellore PS	0.00%	99.86%	0.14%	0.14%	800	771	785
	Raichur	0.00%	92.43%	7.57%	7.57%	803	769	787
	Kurnool	0.00%	80.28%	19.72%	19.72%	805	772	790
	Thiruvalam	0.00%	56.18%	43.82%	43.82%	813	783	798
ER	Angul	0.00%	100.00%	0.00%	0.00%	795	771	785
	Gaya	0.00%	100.00%	0.00%	0.00%	786	753	769
	Jharsuguda	0.00%	97.15%	2.85%	2.85%	804	780	790
	Ranchi	0.00%	100.00%	0.00%	0.00%	799	773	783
Sasaram	0.00%	100.00%	0.00%	0.00%	778	745	760	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	412	404	409
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	417	395	406
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	414	396	408
	Misa (400 kV)	0.00%	98.96%	1.04%	1.04%	422	402	413
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	418	405	414

Remarks: Unless specified, Station may be treated as 765kV S/S.