

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

Date of Reporting: **21-Aug-16**  
System Reliability Indices Report for: **20-Aug-16**

**Percentage (%) of times ATC was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	1	0.25	1.04
2	ER-NR	0	0.00	0.00
3	Import of NR	10	2.50	10.42
4	NEW-SR	7	1.75	7.29
5	ER-NER	74	18.50	77.08

**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	1	0.25	1.04
4	ER-NER	64	16.00	66.67

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-Aug-2016

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%	796	761	780
	Anpara-C	0.00%	100.00%	0.00%	0.00%	782	765	775
	Ballia	0.00%	100.00%	0.00%	0.00%	794	764	779
	Bhiwani	0.00%	100.00%	0.00%	0.00%	778	778	778
	Bareilly	100.00%	0.00%	0.00%	100.00%	718	718	718
	Fatehpur	0.00%	100.00%	0.00%	0.00%	788	757	772
	Jhatikara	0.00%	100.00%	0.00%	0.00%	799	765	782
	Lucknow	0.00%	100.00%	0.00%	0.00%	793	762	778
	Meerut	0.00%	82.36%	15.76%	15.76%	809	774	791
	Moga	0.00%	100.00%	0.00%	0.00%	799	770	784
Phagi	0.00%	100.00%	0.00%	0.00%	796	765	780	
Unnao	0.00%	100.00%	0.00%	0.00%	776	748	763	
WR	Akola	0.00%	100.00%	0.00%	0.00%	784	744	769
	Aurangabad	0.00%	100.00%	0.00%	0.00%	799	750	781
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	782	765	775
	Bilaspur	0.00%	100.00%	0.00%	0.00%	775	763	769
	Bina	0.00%	100.00%	0.00%	0.00%	787	761	777
	Champa	0.00%	100.00%	0.00%	0.00%	799	787	793
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	781	773	777
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	793	759	782
	Gwalior	0.00%	100.00%	0.00%	0.00%	796	759	779
	Indore	0.00%	100.00%	0.00%	0.00%	782	766	774
	Jabalpur	0.00%	100.00%	0.00%	0.00%	788	768	780
	Koradi	0.00%	100.00%	0.00%	0.00%	769	733	756
	Pune	0.00%	100.00%	0.00%	0.00%	797	731	774
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	796	784	790
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	793	782	783
	Sasan	0.00%	100.00%	0.00%	0.00%	782	762	774
	Satna	0.00%	100.00%	0.00%	0.00%	790	764	781
	Seoni	0.00%	100.00%	0.00%	0.00%	792	774	783
	Sipat	0.00%	100.00%	0.00%	0.00%	771	762	767
	Sholapur	0.00%	92.01%	7.99%	7.99%	806	752	787
Tamnara PS	0.00%	100.00%	0.00%	0.00%	795	784	789	
Tirora	0.00%	100.00%	0.00%	0.00%	765	765	765	
Vadodara	0.00%	100.00%	0.00%	0.00%	790	767	780	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	785	766	776	
Wardha	0.00%	99.86%	0.14%	0.14%	801	768	784	
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	787	769	778
	Raichur	0.00%	100.00%	0.00%	0.00%	798	759	782
	Kurmoor	0.00%	100.00%	0.00%	0.00%	800	769	785
	Thiruvalam	0.00%	100.00%	0.00%	0.00%	797	781	789
ER	Angul	0.00%	100.00%	0.00%	0.00%	779	762	771
	Gaya	0.00%	100.00%	0.00%	0.00%	791	765	778
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	792	775	785
	Ranchi	0.00%	100.00%	0.00%	0.00%	794	777	786
Sasaram	1.92%	98.08%	0.00%	1.92%	769	716	753	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	409	403	406
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	420	398	405
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	413	396	403
	Misa (400 kV)	0.00%	99.93%	0.07%	0.07%	420	402	407
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	414	401	408

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