

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

**Date of Reporting: 16-Sep-16  
System Reliability Indices Report for: 15-Sep-16**

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	60	15.00	62.50
2	ER-NR	0	0.00	0.00
3	Import of NR	45	11.25	46.88
4	NEW-SR	0	0.00	0.00
5	ER-NER	25	6.25	26.04

**Percentage(%) of times (N-1) Criteria was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	11	2.75	11.46
2	ER-NR	0	0.00	0.00
3	Import of NR	2	0.50	2.08
4	NEW-SR	0	0.00	0.00
4	ER-NER	23	5.75	23.96

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 15-Sep-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	762	776
	Anpara-C	0.00%	100.00%	0.00%	0.00%	775	757	766
	Ballia	0.00%	100.00%	0.00%	0.00%	790	753	768
	Bhiwani	0.00%	99.31%	0.69%	0.69%	800	770	782
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	760	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	789	753	769
	Jhatikara	0.00%	100.00%	0.00%	0.00%	797	762	778
	Lucknow	0.00%	100.00%	0.00%	0.00%	793	755	771
	Meerut	0.00%	92.78%	4.44%	4.44%	804	770	785
	Moga	0.00%	82.64%	17.36%	17.36%	807	777	792
Phagi	0.00%	100.00%	0.00%	0.00%	796	767	777	
Unnao	0.00%	100.00%	0.00%	0.00%	770	742	750	
WR	Akola	0.00%	100.00%	0.00%	0.00%	781	760	772
	Aurangabad	0.00%	99.31%	0.69%	0.69%	802	766	790
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	783	757	771
	Bilaspur	0.00%	100.00%	0.00%	0.00%	775	764	768
	Bina	0.00%	100.00%	0.00%	0.00%	793	771	779
	Champa	0.00%	89.86%	3.61%	3.61%	802	791	796
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	781	770	775
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	798	770	786
	Gwalior	0.00%	99.86%	0.14%	0.14%	801	770	781
	Indore	0.00%	100.00%	0.00%	0.00%	787	761	775
	Jabalpur	0.00%	100.00%	0.00%	0.00%	791	772	780
	Koradi	0.00%	100.00%	0.00%	0.00%	767	752	761
	Pune	0.00%	99.51%	0.00%	0.00%	800	752	776
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	799	789	794
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	790	781	788
	Sasan	0.00%	100.00%	0.00%	0.00%	778	766	771
	Satna	0.00%	100.00%	0.00%	0.00%	788	768	777
	Seoni	0.00%	100.00%	0.00%	0.00%	793	773	784
	Sipat	0.00%	100.00%	0.00%	0.00%	772	763	767
	Sholapur	0.00%	60.42%	39.58%	39.58%	812	778	798
Tamnara PS	0.00%	100.00%	0.00%	0.00%	799	789	794	
Tirora	0.00%	100.00%	0.00%	0.00%	764	753	759	
Vadodara	0.00%	100.00%	0.00%	0.00%	797	768	785	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	777	765	773	
Wardha	0.00%	98.96%	1.04%	1.04%	803	769	790	
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	798	778	787
	Raichur	0.00%	74.24%	25.76%	25.76%	809	781	796
	Kurnool	0.00%	61.18%	38.82%	38.82%	811	785	799
	Thiruvalam	0.00%	57.92%	42.08%	42.08%	813	785	799
ER	Angul	0.00%	100.00%	0.00%	0.00%	783	767	776
	Gaya	0.00%	100.00%	0.00%	0.00%	788	753	768
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	796	780	788
	Ranchi	0.00%	100.00%	0.00%	0.00%	789	770	780
Sasaram	0.00%	100.00%	0.00%	0.00%	785	748	765	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	408	404	406
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	418	401	409
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	410	397	402
	Misa (400 kV)	0.00%	100.00%	0.00%	0.00%	419	405	411
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	410	401	406

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