

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

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

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

<b>S.No.</b>	<b>Corridor</b>	<b>Number of Blocks Violated</b>	<b>Number of Hours Violated</b>	<b>%Violation</b>
1	WR-NR	40	10.00	41.67
2	ER-NR	0	0.00	0.00
3	Import of NR	21	5.25	21.88
4	NEW-SR	0	0.00	0.00
5	ER-NER	50	12.50	52.08

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

<b>S.No.</b>	<b>Corridor</b>	<b>Number of Blocks Violated</b>	<b>Number of Hours Violated</b>	<b>%Violation</b>
1	WR-NR	5	1.25	5.21
2	ER-NR	0	0.00	0.00
3	Import of NR	5	1.25	5.21
4	NEW-SR	0	0.00	0.00
4	ER-NER	49	12.25	51.04

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-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%	787	750	772
	Anpara-C	0.00%	100.00%	0.00%	0.00%	775	761	769
	Ballia	0.00%	100.00%	0.00%	0.00%	787	753	769
	Bhiwani	0.00%	100.00%	0.00%	0.00%	790	759	775
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	760	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	777	740	760
	Jhatikara	0.00%	100.00%	0.00%	0.00%	791	751	772
	Lucknow	0.00%	100.00%	0.00%	0.00%	790	760	773
	Meerut	0.00%	99.79%	0.00%	0.00%	800	762	781
	Moga	0.00%	100.00%	0.00%	0.00%	796	762	780
Phagi	0.00%	100.00%	0.00%	0.00%	786	753	770	
Unnao	0.00%	100.00%	0.00%	0.00%	770	743	755	
WR	Akola	0.00%	100.00%	0.00%	0.00%	779	747	764
	Aurangabad	0.00%	100.00%	0.00%	0.00%	800	760	786
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	787	756	769
	Bilaspur	0.00%	100.00%	0.00%	0.00%	776	760	767
	Bina	0.00%	100.00%	0.00%	0.00%	791	761	776
	Champa	0.00%	97.85%	0.76%	0.76%	801	785	793
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	777	777	777
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	798	770	785
	Gwalior	0.00%	100.00%	0.00%	0.00%	791	755	776
	Indore	0.00%	100.00%	0.00%	0.00%	792	759	773
	Jabalpur	0.00%	100.00%	0.00%	0.00%	793	765	779
	Koradi	0.00%	100.00%	0.00%	0.00%	759	736	748
	Pune	0.00%	100.00%	0.00%	0.00%	783	733	766
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	798	784	791
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	789	780	783
	Sasan	0.00%	100.00%	0.00%	0.00%	776	758	767
	Satna	0.00%	100.00%	0.00%	0.00%	784	759	772
	Seoni	0.00%	100.00%	0.00%	0.00%	792	769	780
	Sipat	0.00%	100.00%	0.00%	0.00%	773	760	766
	Sholapur	0.00%	84.31%	15.69%	15.69%	807	767	791
Tamnara PS	0.00%	100.00%	0.00%	0.00%	798	785	791	
Tirora	0.00%	100.00%	0.00%	0.00%	759	741	750	
Vadodara	0.00%	99.58%	0.42%	0.42%	801	767	782	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	779	763	770	
Wardha	0.00%	99.58%	0.42%	0.42%	802	765	786	
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	798	772	785
	Raichur	0.00%	100.00%	0.00%	0.00%	800	784	795
	Kurnool	0.00%	82.43%	17.57%	17.57%	806	773	792
	Thiruvalam	0.00%	73.06%	26.94%	26.94%	809	779	793
ER	Angul	0.00%	100.00%	0.00%	0.00%	782	764	774
	Gaya	0.00%	100.00%	0.00%	0.00%	784	747	766
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	796	775	786
	Ranchi	0.00%	100.00%	0.00%	0.00%	791	765	779
Sasaram	0.00%	100.00%	0.00%	0.00%	779	743	761	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	410	406	407
	Balipara (400 kV)	0.00%	88.61%	11.39%	11.39%	425	402	414
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	413	396	405
	Misa (400 kV)	0.00%	86.94%	13.06%	13.06%	426	405	415
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	414	401	409

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