

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

**Date of Reporting: 17-Sep-16  
System Reliability Indices Report for: 16-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	46	11.50	47.92
2	ER-NR	0	0.00	0.00
3	Import of NR	25	6.25	26.04
4	NEW-SR	0	0.00	0.00
5	ER-NER	20	5.00	20.83

**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	6	1.50	6.25
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	11	2.75	11.46

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 16-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%	99.86%	0.00%	0.00%	800	752	773
	Anpara-C	0.00%	100.00%	0.00%	0.00%	771	760	765
	Ballia	0.00%	100.00%	0.00%	0.00%	790	753	767
	Bhiwani	0.00%	100.00%	0.00%	0.00%	789	762	773
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	754	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	791	741	764
	Jhatikara	0.00%	99.58%	0.42%	0.42%	800	757	775
	Lucknow	0.00%	100.00%	0.00%	0.00%	794	754	770
	Meerut	0.00%	90.56%	8.19%	8.19%	809	761	782
	Moga	0.00%	81.60%	18.40%	18.40%	811	762	782
Phagi	0.00%	100.00%	0.00%	0.00%	798	761	776	
Unnao	0.00%	100.00%	0.00%	0.00%	747	747	747	
WR	Akola	0.00%	100.00%	0.00%	0.00%	785	759	773
	Aurangabad	0.00%	96.32%	3.68%	3.68%	802	765	784
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	787	751	768
	Bilaspur	0.00%	100.00%	0.00%	0.00%	773	759	766
	Bina	0.00%	100.00%	0.00%	0.00%	794	758	777
	Champa	0.00%	97.85%	1.39%	1.39%	801	784	790
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	781	765	774
	Dhule (BDTCL)	0.00%	85.42%	14.58%	14.58%	803	769	784
	Gwalior	0.00%	99.03%	0.97%	0.97%	803	758	779
	Indore	0.00%	100.00%	0.00%	0.00%	793	756	772
	Jabalpur	0.00%	100.00%	0.00%	0.00%	792	761	777
	Koradi	0.00%	100.00%	0.00%	0.00%	769	750	761
	Pune	0.00%	100.00%	0.00%	0.00%	788	738	762
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	799	783	790
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	791	772	779
	Sasan	0.00%	100.00%	0.00%	0.00%	781	759	769
	Satna	0.00%	100.00%	0.00%	0.00%	791	759	775
	Seoni	0.00%	100.00%	0.00%	0.00%	793	771	781
	Sipat	0.00%	100.00%	0.00%	0.00%	770	758	765
	Sholapur	0.00%	77.50%	22.50%	22.50%	807	771	791
Tamnara PS	0.00%	100.00%	0.00%	0.00%	799	787	790	
Tirora	0.00%	100.00%	0.00%	0.00%	765	751	759	
Vadodara	0.00%	90.69%	9.31%	9.31%	804	767	783	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	782	763	772	
Wardha	0.00%	100.00%	0.00%	0.00%	799	767	782	
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	798	777	786
	Raichur	0.00%	92.15%	7.85%	7.85%	802	771	790
	Kurnool	0.00%	76.81%	23.19%	23.19%	807	776	795
	Thiruvalam	0.00%	73.13%	26.88%	26.88%	810	786	798
ER	Angul	0.00%	100.00%	0.00%	0.00%	780	765	775
	Gaya	0.00%	100.00%	0.00%	0.00%	787	753	767
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	792	773	785
	Ranchi	0.00%	100.00%	0.00%	0.00%	789	758	776
Sasaram	0.00%	100.00%	0.00%	0.00%	784	741	760	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	410	400	406
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	419	397	409
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	411	394	403
	Misa (400 kV)	0.00%	96.67%	3.33%	3.33%	420	400	411
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	413	398	407

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