

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

**Date of Reporting: 21-Sep-15  
System Reliability Indices Report for: 20-Sep-15**

**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	1	0.25	1.04
2	ER-NR	0	0.00	0.00
3	NEW-SR	0	0.00	0.00
4	ER-NER	0	0.00	0.00

**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	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	NEW-SR	0	0.00	0.00
4	ER-NER	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-Sep-2015

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%	99.93%	0.00%	0.00%	800	758	782
	Ballia	0.00%	100.00%	0.00%	0.00%	775	740	755
	Bhiwani	0.00%	62.43%	37.57%	37.57%	810	780	796
	Fatehpur	0.00%	100.00%	0.00%	0.00%	786	739	767
WR	Aurangabad	0.00%	100.00%	0.00%	0.00%	785	748	770
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	783	768	775
	Gwalior	0.00%	99.86%	0.14%	0.14%	802	769	786
	Sholapur	0.00%	71.11%	28.75%	28.75%	808	774	795
SR	Raichur	0.00%	100.00%	0.00%	0.00%	800	783	792
	Nellore PS	0.00%	100.00%	0.00%	0.00%	800	789	797
	Somanhalli (400 kV)	0.00%	100.00%	0.00%	0.00%	415	395	405
	Salem (400 kV)	0.00%	100.00%	0.00%	0.00%	413	394	404
ER	Ranchi	0.00%	100.00%	0.00%	0.00%	780	759	776
	Gaya	0.00%	100.00%	0.00%	0.00%	779	742	761
	Sasaram	0.00%	100.00%	0.00%	0.00%	789	732	764
	Binaguri (400 kV)	0.00%	100.00%	0.00%	0.00%	414	403	408
NER	Balipara (400 kV)	0.00%	89.51%	5.63%	5.63%	425	409	415
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	413	398	405
	Misa (400 kV)	0.00%	90.07%	4.51%	4.51%	424	410	415

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