

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

**Date of Reporting: 2-Sep-15  
System Reliability Indices Report for: 1-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	39	9.75	40.63
2	ER-NR	5	1.25	5.21
3	NEW-SR	21	5.25	21.88
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	22	5.50	22.92
2	ER-NR	0	0.00	0.00
3	NEW-SR	19	4.75	19.79
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 01-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%	100.00%	0.00%	0.00%	783	747	764
	Ballia	0.00%	100.00%	0.00%	0.00%	771	741	754
	Bhiwani	0.00%	100.00%	0.00%	0.00%	785	756	769
	Fatehpur	0.00%	100.00%	0.00%	0.00%	770	736	752
WR	Aurangabad	0.00%	100.00%	0.00%	0.00%	792	748	769
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	752	752	752
	Gwalior	0.00%	100.00%	0.00%	0.00%	787	752	770
	Sholapur	0.00%	92.69%	4.59%	4.59%	804	758	786
SR	Raichur	0.00%	100.00%	0.00%	0.00%	800	765	782
	Nellore PS	0.00%	79.94%	0.00%	0.00%	800	787	796
	Somanhalli (400 kV)	0.00%	100.00%	0.00%	0.00%	409	389	399
	Salem (400 kV)	0.00%	100.00%	0.00%	0.00%	413	394	403
ER	Ranchi	0.00%	100.00%	0.00%	0.00%	777	765	770
	Gaya	0.00%	100.00%	0.00%	0.00%	774	744	759
	Sasaram	0.00%	100.00%	0.00%	0.00%	782	753	768
	Binaguri (400 kV)	0.00%	100.00%	0.00%	0.00%	414	405	410
NER	Balipara (400 kV)	0.00%	54.21%	23.93%	23.93%	424	415	419
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	412	403	407
	Misa (400 kV)	0.00%	86.40%	3.65%	3.65%	422	413	417

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