

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

**Date of Reporting: 1-Oct-15  
System Reliability Indices Report for: 30-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	77	19.25	80.21
2	ER-NR	0	0.00	0.00
3	NEW-SR	9	2.25	9.38
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	16	4.00	16.67
2	ER-NR	0	0.00	0.00
3	NEW-SR	4	1.00	4.17
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 30-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%	791	744	770
	Ballia	0.00%	100.00%	0.00%	0.00%	764	732	749
	Bhiwani	0.00%	94.43%	5.57%	5.57%	805	759	781
	Fatehpur	0.00%	100.00%	0.00%	0.00%	770	729	752
WR	Aurangabad	0.00%	93.95%	0.00%	0.00%	800	756	779
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	780	760	769
	Gwalior	0.00%	100.00%	0.00%	0.00%	793	750	773
	Sholapur	0.00%	100.00%	0.00%	0.00%	797	757	777
SR	Raichur	0.00%	100.00%	0.00%	0.00%	797	417	783
	Nellore PS	0.00%	99.93%	0.07%	0.07%	800	785	791
	Somanhalli (400 kV)	0.00%	100.00%	0.00%	0.00%	415	394	404
	Salem (400 kV)	0.00%	100.00%	0.00%	0.00%	414	398	405
ER	Ranchi	0.00%	100.00%	0.00%	0.00%	770	737	754
	Gaya	0.00%	100.00%	0.00%	0.00%	773	736	757
	Sasaram	1.67%	98.33%	0.00%	1.67%	771	712	746
	Binaguri (400 kV)	0.00%	100.00%	0.00%	0.00%	420	399	411
NER	Balipara (400 kV)	0.00%	93.53%	4.24%	4.24%	427	391	410
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	414	388	403
	Misa (400 kV)	0.00%	95.76%	3.41%	3.41%	426	392	409

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