

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

**Date of Reporting: 21-Jul-15  
System Reliability Indices Report for: 20-Jul-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	53	13.25	55.21
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	24	6.00	25.00
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-Jul-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%	781	749	772
	Ballia	0.00%	100.00%	0.00%	0.00%	772	738	751
	Bhiwani	0.00%	100.00%	0.00%	0.00%	796	764	780
	Fatehpur	0.00%	100.00%	0.00%	0.00%	773	748	757
WR	Aurangabad	0.00%	100.00%	0.00%	0.00%	777	743	760
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	769	760	764
	Gwalior	0.00%	100.00%	0.00%	0.00%	783	748	767
	Sholapur	0.00%	100.00%	0.00%	0.00%	799	754	779
SR	Raichur	0.00%	100.00%	0.00%	0.00%	791	765	780
	Nellore PS	0.00%	100.00%	0.00%	0.00%	781	0	769
	Somanhalli (400 kV)	0.00%	100.00%	0.00%	0.00%	418	383	401
	Salem (400 kV)	0.00%	100.00%	0.00%	0.00%	416	395	405
ER	Ranchi	0.00%	100.00%	0.00%	0.00%	765	750	758
	Gaya	0.00%	100.00%	0.00%	0.00%	775	747	765
	Sasaram	0.00%	100.00%	0.00%	0.00%	754	746	748
	Binaguri (400 kV)	0.00%	100.00%	0.00%	0.00%	413	400	408
NER	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	419	399	410
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	412	393	404
	Misa (400 kV)	0.00%	86.11%	3.06%	3.06%	422	403	414

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