

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

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

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	36	9.00	37.50
2	ER-NR	0	0.00	0.00
3	NEW-SR	5	1.25	5.21
4	ER-NER	0	0.00	0.00

Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	17	4.25	17.71
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-Aug-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%	795	751	773
	Ballia	0.00%	100.00%	0.00%	0.00%	775	743	759
	Bhiwani	0.00%	100.00%	0.00%	0.00%	794	756	776
	Fatehpur	0.00%	100.00%	0.00%	0.00%	777	740	759
WR	Aurangabad	0.00%	100.00%	0.00%	0.00%	789	739	764
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	756	756	756
	Gwalior	0.00%	100.00%	0.00%	0.00%	795	755	774
	Sholapur	0.00%	93.75%	2.78%	2.78%	803	755	786
SR	Raichur	0.00%	100.00%	0.00%	0.00%	786	786	786
	Nellore PS	0.00%	93.40%	0.00%	0.00%	800	791	797
	Somanhalli (400 kV)	0.00%	100.00%	0.00%	0.00%	415	387	400
	Salem (400 kV)	0.00%	100.00%	0.00%	0.00%	414	398	406
ER	Ranchi	0.00%	100.00%	0.00%	0.00%	764	0	757
	Gaya	0.00%	100.00%	0.00%	0.00%	780	752	765
	Sasaram	0.00%	100.00%	0.00%	0.00%	765	732	740
	Binaguri (400 kV)	0.00%	100.00%	0.00%	0.00%	415	404	409
NER	Balipara (400 kV)	0.00%	51.46%	41.60%	41.60%	427	415	420
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	414	401	407
	Misa (400 kV)	0.00%	74.65%	19.03%	19.03%	423	410	416

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