

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

Date of Reporting: **21-Jul-17**  
System Reliability Indices Report for: **20-Jul-17**

**Percentage (%) of times ATC was violated**

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	2	0.50	2.08
2	ER-NR	0	0.00	0.00
3	Import of NR	7	1.75	7.29
4	NEW-SR	0	0.00	0.00
5	NER Import	25	6.25	26.04

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
4	NER Import	19	4.75	19.79

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-2017

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%	799	750	768
	Fatehpur	0.00%	100.00%	0.00%	0.00%	799	734	754
	Moga	0.00%	100.00%	0.00%	0.00%	790	756	768
	Phagi	0.00%	98.61%	1.39%	1.39%	800	762	776
WR	Aurangabad	0.00%	92.01%	7.99%	7.99%	804	777	791
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	789	773	782
	Gwalior	0.00%	100.00%	0.00%	0.00%	799	760	775
	Sholapur	0.00%	75.56%	24.44%	24.44%	808	781	796
	Vadodara	0.00%	100.00%	0.00%	0.00%	794	769	783
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	799	776	788
	Raichur	0.00%	96.32%	3.68%	3.68%	803	780	792
	Thiruvallur	0.00%	82.12%	17.88%	17.88%	0	0	794
ER	Gaya	0.00%	100.00%	0.00%	0.00%	787	756	766
	Jharsuguda	0.00%	76.18%	23.82%	23.82%	804	773	796
	Ranchi	0.00%	100.00%	0.00%	0.00%	794	771	784
NER	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	411	397	403
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	411	392	401
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	417	404	410

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