

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

**System Reliability Indices Report for the week from  
10-Jul-2017 to 16-Jul-2017**

Date: 21-Jul-2017

**Percentage (%) of times ATC 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	44	11.00	6.55
4	NEW-SR	10	2.50	1.49
5	ER-NER	83	20.75	12.35

**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	3	0.75	0.45
4	NEW-SR	0	0.00	0.00
4	ER-NER	79	19.75	11.76

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 week from 10-Jul-2017 to 16-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%	792	750	773
	Fatehpur	0.00%	100.00%	0.00%	0.00%	792	737	760
	Moga	0.00%	100.00%	0.00%	0.00%	790	751	768
	Phagi	0.00%	100.00%	0.00%	0.00%	794	748	775
WR	Aurangabad	0.00%	97.28%	2.72%	2.72%	806	758	788
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	798	764	783
	Gwalior	0.00%	100.00%	0.00%	0.00%	798	753	777
	Sholapur	0.00%	89.23%	10.77%	10.77%	809	766	792
	Vadodara	0.00%	100.00%	0.00%	0.00%	800	763	784
SR	Nellore PS	0.00%	92.33%	7.67%	7.67%	807	773	791
	Raichur	0.00%	92.35%	7.65%	7.65%	809	771	792
	Thiruvalam	0.00%	54.95%	45.05%	45.05%	817	785	800
ER	Gaya	0.00%	100.00%	0.00%	0.00%	787	756	770
	Jharsuguda	0.00%	93.89%	6.11%	6.11%	804	773	794
	Ranchi	0.00%	100.00%	0.00%	0.00%	794	766	784
NER	Balipara (400 kV)	0.00%	99.80%	0.20%	0.20%	425	393	405
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	410	388	399
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	415	401	409

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