

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

**System Reliability Indices Report for the week from  
17-Jul-2017 to 23-Jul-2017**

Date: 28-Jul-2017

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	19	4.75	2.83
2	ER-NR	0	0.00	0.00
3	Import of NR	84	21.00	12.50
4	NEW-SR	15	3.75	2.23
5	ER-NER	116	29.00	17.26

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	1	0.25	0.15
2	ER-NR	0	0.00	0.00
3	Import of NR	25	6.25	3.72
4	NEW-SR	1	0.25	0.15
4	ER-NER	86	21.50	12.80

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 17-Jul-2017 to 23-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	774
	Fatehpur	0.00%	100.00%	0.00%	0.00%	799	734	763
	Moga	0.00%	100.00%	0.00%	0.00%	790	752	769
	Phagi	0.00%	99.80%	0.20%	0.20%	800	760	778
WR	Aurangabad	0.00%	95.65%	4.35%	4.35%	807	758	790
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	792	765	780
	Gwalior	0.00%	99.93%	0.07%	0.07%	801	753	777
	Sholapur	0.00%	84.24%	15.76%	15.76%	810	771	794
	Vadodara	0.00%	100.00%	0.00%	0.00%	800	769	784
SR	Nellore PS	0.00%	97.26%	2.74%	2.74%	807	771	787
	Raichur	0.00%	97.97%	2.03%	2.03%	803	764	790
	Thiruvalam	0.00%	85.14%	14.86%	14.86%	819	0	795
ER	Gaya	0.00%	100.00%	0.00%	0.00%	787	756	770
	Jharsuguda	0.00%	91.26%	8.74%	8.74%	804	773	794
	Ranchi	0.00%	100.00%	0.00%	0.00%	795	771	783
NER	Balipara (400 kV)	0.00%	99.82%	0.18%	0.18%	422	397	404
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	412	385	400
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	417	393	409

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