

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

Date of Reporting: **20-Jul-17**  
System Reliability Indices Report for: **19-Jul-17**

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	7	1.75	7.29
2	ER-NR	0	0.00	0.00
3	Import of NR	42	10.50	43.75
4	NEW-SR	0	0.00	0.00
5	NER Import	12	3.00	12.50

**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	9	2.25	9.38
4	NEW-SR	0	0.00	0.00
4	NER Import	9	2.25	9.38

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 19-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%	783	750	767
	Fatehpur	0.00%	100.00%	0.00%	0.00%	783	740	757
	Moga	0.00%	100.00%	0.00%	0.00%	781	758	767
	Phagi	0.00%	100.00%	0.00%	0.00%	788	760	773
WR	Aurangabad	0.00%	95.63%	4.38%	4.38%	805	758	788
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	788	773	781
	Gwalior	0.00%	100.00%	0.00%	0.00%	783	757	772
	Sholapur	0.00%	88.54%	11.46%	11.46%	806	771	794
	Vadodara	0.00%	100.00%	0.00%	0.00%	794	770	782
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	796	777	788
	Raichur	0.00%	100.00%	0.00%	0.00%	798	774	790
	Thiruvallur	0.00%	86.47%	13.53%	13.53%	0	0	795
ER	Gaya	0.00%	100.00%	0.00%	0.00%	780	756	765
	Jharsuguda	0.00%	86.25%	13.75%	13.75%	803	773	796
	Ranchi	0.00%	100.00%	0.00%	0.00%	792	771	782
NER	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	400	400	400
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	412	390	400
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	417	402	410

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