

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **19-Jul-17**
System Reliability Indices Report for: **18-Jul-17**

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	10	2.50	10.42
2	ER-NR	0	0.00	0.00
3	Import of NR	29	7.25	30.21
4	NEW-SR	0	0.00	0.00
5	NER Import	51	12.75	53.13

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	1.04
2	ER-NR	0	0.00	0.00
3	Import of NR	16	4.00	16.67
4	NEW-SR	0	0.00	0.00
4	NER Import	39	9.75	40.63

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 18-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%	793	752	773
	Fatehpur	0.00%	100.00%	0.00%	0.00%	793	745	763
	Moga	0.00%	100.00%	0.00%	0.00%	785	765	770
	Phagi	0.00%	100.00%	0.00%	0.00%	795	761	778
WR	Aurangabad	0.00%	100.00%	0.00%	0.00%	800	766	789
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	785	774	780
	Gwalior	0.00%	100.00%	0.00%	0.00%	791	756	774
	Sholapur	0.00%	83.19%	16.81%	16.81%	807	776	795
	Vadodara	0.00%	100.00%	0.00%	0.00%	796	776	785
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	797	775	788
	Raichur	0.00%	99.03%	0.97%	0.97%	802	778	791
	Thiruvallur	0.00%	96.07%	3.93%	3.93%	0	0	794
ER	Gaya	0.00%	100.00%	0.00%	0.00%	786	756	768
	Jharsuguda	0.00%	97.92%	2.08%	2.08%	800	773	795
	Ranchi	0.00%	100.00%	0.00%	0.00%	790	773	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%	407	385	397
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	414	393	407

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