

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

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

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	24	6.00	25.00
2	ER-NR	0	0.00	0.00
3	Import of NR	26	6.50	27.08
4	NEW-SR	0	0.00	0.00
5	NER Import	0	0.00	0.00

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	17	4.25	17.71
2	ER-NR	0	0.00	0.00
3	Import of NR	2	0.50	2.08
4	NEW-SR	0	0.00	0.00
4	NER Import	0	0.00	0.00

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-Sep-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%	791	762	776
	Agra (Fatehabad)	0.00%	100.00%	0.00%	0.00%	760	751	759
	Anpara-C	0.00%	100.00%	0.00%	0.00%	764	755	759
	Anpara-D	0.00%	100.00%	0.00%	0.00%	764	753	759
	Anta	0.00%	100.00%	0.00%	0.00%	789	766	778
	Ballia	0.00%	100.00%	0.00%	0.00%	786	753	771
	Bara	0.00%	100.00%	0.00%	0.00%	771	771	771
	Bhiwani	0.00%	100.00%	0.00%	0.00%	791	767	779
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	760	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	783	751	768
	Greater Noida	0.00%	100.00%	0.00%	0.00%	791	761	776
	Jhatikara	0.00%	100.00%	0.00%	0.00%	785	766	774
	Kanpur GIS	100.00%	0.00%	0.00%	100.00%	724	724	724
	Lucknow	0.00%	100.00%	0.00%	0.00%	799	764	782
	Lalitpur	0.00%	100.00%	0.00%	0.00%	785	767	775
	Meerut	0.00%	100.00%	0.00%	0.00%	795	767	783
	Moga	0.00%	100.00%	0.00%	0.00%	787	758	772
Phagi	0.00%	100.00%	0.00%	0.00%	791	767	777	
Varanasi	0.00%	100.00%	0.00%	0.00%	793	763	779	
Unnao	0.00%	100.00%	0.00%	0.00%	757	757	757	
WR	Akola	0.00%	100.00%	0.00%	0.00%	789	766	780
	Aurangabad	0.00%	100.00%	0.00%	0.00%	798	763	781
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	784	761	771
	Bilaspur	0.00%	100.00%	0.00%	0.00%	772	761	766
	Bina	0.00%	100.00%	0.00%	0.00%	790	769	778
	Champa	0.00%	100.00%	0.00%	0.00%	798	782	789
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	785	766	777
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	794	754	778
	Ektuni	0.00%	100.00%	0.00%	0.00%	789	773	777
	Gwalior	0.00%	100.00%	0.00%	0.00%	789	765	777
	Indore	0.00%	100.00%	0.00%	0.00%	787	764	773
	Jabalpur	0.00%	100.00%	0.00%	0.00%	795	774	784
	Koradi	0.00%	100.00%	0.00%	0.00%	778	762	772
	Pune	0.00%	100.00%	0.00%	0.00%	790	741	765
	Raigarh Pooling	0.00%	100.00%	0.00%	0.00%	794	784	788
	Raipur Pooling	0.00%	100.00%	0.00%	0.00%	789	779	781
	Sasan	0.00%	100.00%	0.00%	0.00%	774	764	769
	Satna	0.00%	100.00%	0.00%	0.00%	780	763	771
	Seoni	0.00%	100.00%	0.00%	0.00%	790	771	782
	Sipat	0.00%	100.00%	0.00%	0.00%	769	760	765
	Solapur	0.00%	82.94%	17.06%	17.06%	807	778	795
	Tamnar	0.00%	100.00%	0.00%	0.00%	796	786	790
	Tirora	0.00%	100.00%	0.00%	0.00%	772	759	767
Vadodara	0.00%	100.00%	0.00%	0.00%	794	771	782	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	776	767	771	
Wardha	0.00%	100.00%	0.00%	0.00%	799	767	786	
SR	Kurnool	0.00%	99.09%	0.91%	0.91%	801	773	791
	Nellore PS	0.00%	96.23%	3.77%	3.77%	802	775	791
	Raichur	0.00%	94.62%	5.38%	5.38%	803	777	793
	Nizamabad	0.00%	97.34%	2.66%	2.66%	801	762	786
	Srikakulam	0.00%	65.73%	34.27%	34.27%	808	779	795
	Thiruvallam	0.00%	53.71%	46.29%	46.29%	815	790	801
	Vemagiri	0.00%	86.94%	13.06%	13.06%	806	764	787
ER	Angul	0.00%	99.02%	0.98%	0.98%	800	783	791
	Gaya	0.00%	100.00%	0.00%	0.00%	783	753	770
	Jharsuguda	0.00%	95.81%	4.19%	4.19%	801	783	793
	Ranchi	0.00%	100.00%	0.00%	0.00%	795	772	784
	Sasaram	0.00%	100.00%	0.00%	0.00%	775	741	759
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	409	386	407
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	413	399	407
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	410	398	404
	Bongaigaon TPS (400 kV)	0.00%	100.00%	0.00%	0.00%	417	392	411
	Byrnihat (400 kV)	0.00%	100.00%	0.00%	0.00%	409	386	407
	Palatana (400 kV)	0.00%	0.00%	0.00%	0.00%	421	401	405
	Misa (400 kV)	0.00%	100.00%	0.00%	0.00%	418	402	413
	Ranganadi (400 kV)	0.00%	90.84%	9.16%	9.16%	424	401	416
	Biswanath Chariali (400 kV)	0.00%	100.00%	0.00%	0.00%	415	402	409
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	419	402	411

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