

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

**Date of Reporting: 21-Jul-16  
System Reliability Indices Report for: 20-Jul-16**

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

<b>S.No.</b>	<b>Corridor</b>	<b>Number of Blocks Violated</b>	<b>Number of Hours Violated</b>	<b>%Violation</b>
1	WR-NR	30	7.50	31.25
2	ER-NR	0	0.00	0.00
3	Import of NR	28	7.00	29.17
4	NEW-SR	2	0.50	2.08
5	ER-NER	0	0.00	0.00

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

<b>S.No.</b>	<b>Corridor</b>	<b>Number of Blocks Violated</b>	<b>Number of Hours Violated</b>	<b>%Violation</b>
1	WR-NR	4	1.00	4.17
2	ER-NR	0	0.00	0.00
3	Import of NR	3	0.75	3.13
4	NEW-SR	0	0.00	0.00
4	ER-NER	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 20-Jul-2016

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%	787	741	765
	Anpara-C	0.00%	100.00%	0.00%	0.00%	774	752	763
	Ballia	0.00%	100.00%	0.00%	0.00%	798	754	775
	Bhiwani	0.00%	100.00%	0.00%	0.00%	797	751	776
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	746	755
	Fatehpur	0.00%	100.00%	0.00%	0.00%	782	729	755
	Jhatikara	0.00%	100.00%	0.00%	0.00%	770	770	770
	Lucknow	0.00%	100.00%	0.00%	0.00%	788	754	765
	Meerut	0.00%	99.79%	0.00%	0.00%	800	749	776
	Moga	0.00%	100.00%	0.00%	0.00%	792	744	770
Phagi	0.00%	100.00%	0.00%	0.00%	786	748	769	
Unnao	0.00%	100.00%	0.00%	0.00%	776	735	754	
WR	Akola	0.00%	100.00%	0.00%	0.00%	778	753	767
	Aurangabad	0.00%	99.58%	0.42%	0.42%	802	757	784
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	773	734	760
	Bilaspur	0.00%	100.00%	0.00%	0.00%	775	754	768
	Bina	0.00%	100.00%	0.00%	0.00%	783	747	766
	Champa	0.00%	100.00%	0.00%	0.00%	799	774	791
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	780	749	771
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	795	765	782
	Gwalior	0.00%	100.00%	0.00%	0.00%	790	748	769
	Indore	0.00%	100.00%	0.00%	0.00%	778	748	766
	Jabalpur	0.00%	100.00%	0.00%	0.00%	781	740	767
	Koradi	0.00%	100.00%	0.00%	0.00%	759	741	751
	Pune	0.00%	100.00%	0.00%	0.00%	797	739	765
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	796	776	790
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	790	761	782
	Sasan	0.00%	100.00%	0.00%	0.00%	772	755	763
	Satna	0.00%	100.00%	0.00%	0.00%	779	754	766
	Seoni	0.00%	100.00%	0.00%	0.00%	787	787	787
	Sipat	0.00%	100.00%	0.00%	0.00%	773	755	767
	Sholapur	0.00%	87.99%	7.99%	7.99%	812	760	791
Tamnara PS	0.00%	100.00%	0.00%	0.00%	795	775	788	
Tirora	0.00%	100.00%	0.00%	0.00%	765	765	765	
Vadodara	0.00%	100.00%	0.00%	0.00%	788	757	775	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	774	757	766	
Wardha	0.00%	99.86%	0.14%	0.14%	800	765	785	
SR	Nellore PS	0.00%	100.00%	0.00%	0.00%	799	771	790
	Raichur	0.00%	91.04%	8.96%	8.96%	811	758	792
	Kurnool	0.00%	28.47%	71.53%	71.53%	815	767	801
	Thiruvalam	0.00%	16.46%	83.54%	83.54%	822	781	807
ER	Angul	0.00%	100.00%	0.00%	0.00%	784	767	777
	Gaya	0.00%	100.00%	0.00%	0.00%	792	753	772
	Jharsuguda	0.00%	100.00%	0.00%	0.00%	793	769	784
	Ranchi	0.00%	100.00%	0.00%	0.00%	791	762	777
	Sasaram	1.94%	98.06%	0.00%	1.94%	787	724	751
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	409	404	407
	Balipara (400 kV)	0.00%	100.00%	0.00%	0.00%	416	397	404
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	414	402	407
	Misa (400 kV)	0.00%	100.00%	0.00%	0.00%	419	401	409
	Silchar (400 kV)	0.00%	100.00%	0.00%	0.00%	414	403	410

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