

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

**Date of Reporting: 30-Dec-16  
System Reliability Indices Report for: 29-Dec-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	27	6.75	28.13
2	ER-NR	0	0.00	0.00
3	Import of NR	20	5.00	20.83
4	NEW-SR	10	2.50	10.42
5	NER Import	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	5	1.25	5.21
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
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 29-Dec-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%	789	761	775
	Anpara-C	0.00%	100.00%	0.00%	0.00%	778	757	764
	Ballia	0.00%	100.00%	0.00%	0.00%	791	762	773
	Bhiwani	0.00%	95.69%	4.31%	4.31%	804	775	790
	Bareilly	0.00%	100.00%	0.00%	0.00%	760	760	760
	Fatehpur	0.00%	100.00%	0.00%	0.00%	778	747	761
	Jhatikara	0.00%	97.43%	2.57%	2.57%	804	771	787
	Lucknow	0.00%	91.32%	8.68%	8.68%	804	767	783
	Meerut	0.00%	94.86%	4.17%	4.17%	810	769	789
	Moga	0.00%	99.24%	0.76%	0.76%	890	771	785
Phagi	0.00%	100.00%	0.00%	0.00%	795	768	780	
Unnao	0.00%	100.00%	0.00%	0.00%	777	745	756	
WR	Akola	0.00%	100.00%	0.00%	0.00%	786	750	770
	Aurangabad	0.00%	98.75%	1.25%	1.25%	804	756	783
	Bhopal (BDTCL)	0.00%	100.00%	0.00%	0.00%	787	760	776
	Bilaspur	0.00%	100.00%	0.00%	0.00%	774	755	765
	Bina	0.00%	100.00%	0.00%	0.00%	791	760	777
	Champa	0.00%	89.96%	4.27%	4.27%	802	782	793
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	793	768	781
	Dhule (BDTCL)	0.00%	100.00%	0.00%	0.00%	777	777	777
	Gwalior	0.00%	100.00%	0.00%	0.00%	792	762	779
	Indore	0.00%	100.00%	0.00%	0.00%	791	753	774
	Jabalpur	0.00%	100.00%	0.00%	0.00%	781	781	781
	Koradi	0.00%	100.00%	0.00%	0.00%	771	746	760
	Pune	0.00%	99.51%	0.00%	0.00%	800	742	775
	Raigarh PS (Kotra)	0.00%	100.00%	0.00%	0.00%	799	782	791
	Raipur PS (Durg)	0.00%	100.00%	0.00%	0.00%	796	778	785
	Sasan	0.00%	100.00%	0.00%	0.00%	774	757	766
	Satna	0.00%	100.00%	0.00%	0.00%	783	757	772
	Seoni	0.00%	100.00%	0.00%	0.00%	791	762	777
	Sipat	0.00%	100.00%	0.00%	0.00%	771	754	763
	Sholapur	0.00%	92.22%	7.78%	7.78%	811	765	790
Tamnara PS	0.00%	100.00%	0.00%	0.00%	797	781	790	
Tirora	0.00%	100.00%	0.00%	0.00%	767	748	758	
Vadodara	0.00%	100.00%	0.00%	0.00%	799	763	781	
Vindhyachal PS	0.00%	100.00%	0.00%	0.00%	773	759	768	
Wardha	0.00%	99.65%	0.35%	0.35%	802	765	787	
SR	Nellore PS	0.00%	77.50%	22.50%	22.50%	807	784	795
	Raichur	0.00%	95.60%	4.40%	4.40%	803	778	792
	Kurnool	0.00%	86.53%	13.47%	13.47%	805	782	794
	Thiruvalam	0.00%	20.14%	79.86%	79.86%	818	791	804
ER	Angul	0.00%	100.00%	0.00%	0.00%	796	778	787
	Gaya	0.00%	100.00%	0.00%	0.00%	788	760	772
	Jharsuguda	0.00%	95.14%	4.86%	4.86%	804	780	792
	Ranchi	0.00%	100.00%	0.00%	0.00%	795	770	782
Sasaram	0.00%	100.00%	0.00%	0.00%	768	736	749	
NER	Azara (400 kV)	0.00%	100.00%	0.00%	0.00%	414	404	410
	Balipara (400 kV)	0.00%	98.68%	1.32%	1.32%	422	390	411
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	416	396	409
	Misa (400 kV)	0.00%	54.24%	45.76%	45.76%	428	398	418
	Silchar (400 kV)	0.00%	84.31%	15.69%	15.69%	422	403	415

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