

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

Date of Reporting:  
System Reliability Indices Report for: **30-Dec-16**

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

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	13	3.25	13.54
2	ER-NR	0	0.00	0.00
3	Import of NR	15	3.75	15.63
4	NEW-SR	33	8.25	34.38
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	6	1.50	6.25
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 30-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%	790	752	774
	Fatehpur	0.00%	100.00%	0.00%	0.00%	778	744	763
	Moga	0.00%	98.61%	1.39%	1.39%	801	766	785
	Phagi	0.00%	100.00%	0.00	0.00%	798	757	778
WR	Aurangabad	0.00%	99.65%	0.35%	0.35%	803	759	779
	Dharamjaigarh	0.00%	100.00%	0.00%	0.00%	792	774	783
	Gwalior	0.00%	100.00%	0.00%	0.00%	792	756	776
	Sholapur	0.00%	92.71%	7.29%	7.29%	806	767	786
	Vadodara	0.00%	100.00%	0.00%	0.00%	795	764	779
SR	Nellore PS	0.00%	77.01%	22.99%	22.99%	811	779	794
	Raichur	0.00%	97.22%	2.78%	2.78%	803	0	787
	Thiruvalam	0.00%	42.36%	57.64%	57.64%	819	793	803
ER	Gaya	0.00%	100.00%	0.00%	0.00%	787	762	777
	Jharsuguda	0.00%	84.10%	15.90%	15.90%	803	787	796
	Ranchi	0.00%	100.00%	0.00%	0.00%	795	777	789
NER	Balipara (400 kV)	0.00%	99.86%	0.14%	0.14%	420	396	411
	Bongaigaon (400 kV)	0.00%	100.00%	0.00%	0.00%	416	395	408
	Silchar (400 kV)	0.00%	89.65%	10.35%	10.35%	423	400	412

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