

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

**System Reliability Indices Report for the week from
28-Dec-2015 to 03-Jan-2016**

Date: 7-Jan-2016

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 42 | 10.50 | 6.25 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 104 | 26.00 | 15.48 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 5 | ER-NER | 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 | 0 | 0.00 | 0.00 |
| 2 | ER-NR | 9 | 2.25 | 1.34 |
| 3 | Import of NR | 0 | 0.00 | 0.00 |
| 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 week from 28-Dec-2015 to 03-Jan-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% | 796 | 741 | 771 |
| | Fatehpur | 0.00% | 99.98% | 0.00% | 0.00% | 779 | 728 | 755 |
| | Moga | 0.00% | 98.44% | 1.56% | 1.56% | 807 | 754 | 782 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 737 | 763 |
| WR | Aurangabad | 0.00% | 98.94% | 1.06% | 1.06% | 806 | 748 | 782 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 760 | 778 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 746 | 774 |
| | Sholapur | 0.00% | 51.24% | 42.53% | 42.53% | 819 | 755 | 797 |
| | Vadodara | 0.00% | 99.06% | 0.94% | 0.94% | 807 | 758 | 783 |
| SR | Nellore PS | 0.00% | 87.46% | 12.54% | 12.54% | 808 | 0 | 792 |
| | Raichur | 0.00% | 68.89% | 31.11% | 31.11% | 815 | 759 | 795 |
| | Thiruvalam | 0.00% | 17.12% | 82.88% | 82.88% | 819 | 0 | 804 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 0 | 755 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 768 | 785 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 764 | 776 |
| NER | Balipara (400 kV) | 0.00% | 59.35% | 40.65% | 40.65% | 438 | 395 | 417 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 384 | 404 |
| | Silchar (400 kV) | 0.00% | 95.52% | 4.48% | 4.48% | 422 | 393 | 411 |

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