

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

**Date of Reporting: 12-Nov-15
System Reliability Indices Report for: 11-Nov-15**

Percentage (%) of times ATC 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 | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 31 | 7.75 | 32.29 |
| 4 | 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 | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 7 | 1.75 | 7.29 |
| 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 11-Nov-2015

| 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% | 799 | 754 | 781 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 739 | 764 |
| | Moga | 0.00% | 91.94% | 8.06% | 8.06% | 803 | 764 | 789 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 755 | 774 |
| WR | Aurangabad | 0.00% | 72.36% | 0.00% | 0.00% | 800 | 763 | 793 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 774 | 784 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 760 | 782 |
| | Sholapur | 0.00% | 36.81% | 59.24% | 59.24% | 814 | 767 | 800 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 770 | 789 |
| SR | Nellore PS | 0.00% | 54.79% | 45.21% | 45.21% | 807 | 774 | 796 |
| | Raichur | 0.00% | 78.68% | 21.32% | 21.32% | 806 | 780 | 793 |
| | Thiruvallam | 0.00% | 17.85% | 82.15% | 82.15% | 826 | 777 | 811 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 728 | 757 |
| | Jharsuguda | 0.00% | 70.97% | 29.03% | 29.03% | 805 | 783 | 795 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 758 | 773 |
| NER | Balipara (400 kV) | 0.00% | 59.93% | 40.07% | 40.07% | 434 | 392 | 417 |
| | Bongaigaon (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 420 | 395 | 411 |
| | Silchar (400 kV) | 0.00% | 99.51% | 0.49% | 0.49% | 421 | 402 | 415 |

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