

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

**Date of Reporting: 27-Sep-15
System Reliability Indices Report for: 26-Sep-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 | 0 | 0.00 | 0.00 |
| 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 | 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 26-Sep-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% | 763 | 763 | 763 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 739 | 752 |
| | Bhiwani | 0.00% | 86.06% | 13.94% | 13.94% | 809 | 3 | 781 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 730 | 751 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 744 | 772 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 760 | 771 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 751 | 773 |
| | Sholapur | 0.00% | 99.10% | 0.90% | 0.90% | 801 | 755 | 783 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 0 | 0 | 765 |
| | Nellore PS | 0.00% | 89.72% | 10.28% | 10.28% | 803 | 785 | 794 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 398 | 411 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 400 | 408 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 751 | 762 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 741 | 757 |
| | Sasaram | 2.22% | 97.78% | 0.00% | 2.22% | 757 | 723 | 742 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 398 | 406 |
| NER | Balipara (400 kV) | 0.00% | 94.44% | 2.85% | 2.85% | 424 | 398 | 408 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 407 | 391 | 399 |
| | Misa (400 kV) | 0.00% | 99.31% | 0.49% | 0.49% | 422 | 397 | 407 |

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