

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

Date of Reporting: **20-Sep-15**
System Reliability Indices Report for: **19-Sep-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|----------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 31 | 7.75 | 32.29 |
| 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 | 4 | 1.00 | 4.17 |
| 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 19-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% | 793 | 757 | 778 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 738 | 753 |
| | Bhiwani | 0.00% | 78.89% | 21.11% | 21.11% | 809 | 770 | 790 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 754 | 770 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 759 | 774 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 766 | 770 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 761 | 778 |
| | Sholapur | 0.00% | 69.58% | 27.78% | 27.78% | 812 | 768 | 792 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 0 | 788 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 784 | 793 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 386 | 399 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 392 | 402 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 768 | 775 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 750 | 762 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 760 | 771 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 403 | 408 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 407 | 414 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 408 | 399 | 403 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 406 | 413 |

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