

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **9-May-15**
System Reliability Indices Report for: **8-May-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|----------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 38 | 9.50 | 39.58 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 4 | 1.00 | 4.17 |
| 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 | 13 | 3.25 | 13.54 |
| 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 08-May-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% | 784 | 749 | 766 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 742 | 757 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 793 | 793 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 744 | 762 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 733 | 759 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 762 | 752 | 755 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 749 | 767 |
| | Sholapur | 0.00% | 92.92% | 2.92% | 2.92% | 805 | 764 | 785 |
| SR | Raichur | 0.00% | 99.58% | 0.00% | 0.00% | 800 | 771 | 786 |
| | Nellore PS | 0.00% | 78.13% | 0.00% | 0.00% | 800 | 783 | 793 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 383 | 397 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 392 | 402 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 762 | 762 | 762 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 749 | 760 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 742 | 754 |
| | Binaguri (400 kV) | 0.00% | 89.72% | 10.28% | 10.28% | 421 | 400 | 414 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 388 | 402 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 390 | 407 |
| | Misa (400 kV) | 0.00% | 80.69% | 10.69% | 10.69% | 426 | 397 | 411 |

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