

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

**Date of Reporting: 4-Apr-15
System Reliability Indices Report for: 3-Apr-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 3 | 0.75 | 3.13 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 9 | 2.25 | 9.38 |
| 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 | 1 | 0.25 | 1.04 |

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 03-Apr-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% | 792 | 740 | 771 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 762 | 773 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 791 | 791 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 732 | 757 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 742 | 767 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 760 | 769 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 742 | 768 |
| | Sholapur | 0.00% | 97.29% | 2.71% | 2.71% | 807 | 762 | 781 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 765 | 779 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 775 | 784 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 405 | 381 | 394 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 407 | 391 | 398 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 750 | 765 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 741 | 760 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 731 | 752 |
| | Binaguri (400 kV) | 0.00% | 71.94% | 28.06% | 28.06% | 423 | 403 | 416 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 389 | 403 |
| | Bongaigaon (400 kV) | 0.00% | 95.07% | 0.00% | 0.00% | 420 | 396 | 410 |
| | Misa (400 kV) | 0.00% | 71.39% | 24.10% | 24.10% | 426 | 400 | 414 |

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