**POWER SYSTEM OPERATION CORPORATION LIMITED**

**NATIONAL LOAD DESPATCH CENTRE**

**NEW DELHI**

**Date of Reporting:** **25-May-15**

**System Reliability Indices Report for:** **24-May-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 | 7 | 1.75 | 7.29 |
| 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 | 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 24-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% | 797 | 742 | 771 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 758 | 753 | 757 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 758 | 781 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 764 | 764 | 764 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 738 | 757 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 757 | 771 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 743 | 770 |
| | Sholapur | 0.00% | 96.39% | 3.13% | 3.13% | 811 | 767 | 783 |
| SR | Raichur | 0.00% | 97.43% | 0.00% | 0.00% | 800 | 770 | 784 |
| | Nellore PS | 0.00% | 93.33% | 0.00% | 0.00% | 800 | 767 | 790 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 394 | 402 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 397 | 403 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 756 | 756 | 756 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 745 | 745 | 745 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 412 | 416 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 396 | 407 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 402 | 413 |
| | Misa (400 kV) | 0.00% | 93.47% | 1.74% | 1.74% | 422 | 404 | 413 |

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