

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

**Date of Reporting: 25-Jul-15
System Reliability Indices Report for: 24-Jul-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 21 | 5.25 | 21.88 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 14 | 3.50 | 14.58 |
| 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 | 3 | 0.75 | 3.13 |
| 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-Jul-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% | 788 | 751 | 770 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 741 | 756 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 758 | 772 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 750 | 766 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 742 | 771 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 759 | 764 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 752 | 768 |
| | Sholapur | 0.00% | 97.71% | 0.69% | 0.69% | 802 | 751 | 784 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 758 | 781 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 50 | 785 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 384 | 399 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 397 | 405 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 750 | 758 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 757 | 768 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 759 | 768 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 402 | 407 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 400 | 405 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 408 | 397 | 402 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 404 | 410 |

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