

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

**Date of Reporting: 1-Jun-15
System Reliability Indices Report for: 31-May-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 19 | 4.75 | 19.79 |
| 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 31-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% | 99.93% | 0.07% | 0.07% | 801 | 747 | 772 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 748 | 766 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 759 | 782 |
| | Fatehpur | 0.00% | 97.36% | 1.39% | 1.39% | 803 | 760 | 776 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 737 | 758 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 762 | 765 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 752 | 774 |
| | Sholapur | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 766 | 766 |
| SR | Raichur | 0.00% | 97.43% | 0.00% | 0.00% | 800 | 666 | 788 |
| | Nellore PS | 0.00% | 82.57% | 0.00% | 0.00% | 800 | 772 | 793 |
| | Somanhalli (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 420 | 402 | 410 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 402 | 409 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 760 | 769 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 750 | 750 | 750 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 403 | 409 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 392 | 399 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 398 | 406 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 400 | 407 |

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