

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

**Date of Reporting: 12-Oct-15
System Reliability Indices Report for: 11-Oct-15**

Percentage (%) of times ATC 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 | 60 | 15.00 | 62.50 |
| 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 | 52 | 13.00 | 54.17 |
| 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 11-Oct-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 | 762 | 776 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 744 | 753 |
| | Bhiwani | 0.00% | 93.06% | 6.94% | 6.94% | 803 | 774 | 789 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 749 | 761 |
| WR | Aurangabad | 0.00% | 98.61% | 0.00% | 0.00% | 800 | 760 | 786 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 761 | 767 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 764 | 777 |
| | Sholapur | 0.00% | 53.06% | 34.93% | 34.93% | 811 | 771 | 796 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 779 | 779 |
| | Nellore PS | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 0 | 0 | #DIV/0! |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 397 | 410 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 391 | 408 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 752 | 760 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 750 | 761 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 761 | 773 |
| | Binaguri (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 420 | 408 | 414 |
| NER | Balipara (400 kV) | 0.00% | 98.61% | 0.56% | 0.56% | 426 | 404 | 412 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 400 | 407 |
| | Misa (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 422 | 403 | 411 |

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