

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

**Date of Reporting: 18-Aug-15
System Reliability Indices Report for: 17-Aug-15**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 38 | 9.50 | 39.58 |
| 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 | 21 | 5.25 | 21.88 |
| 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 17-Aug-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% | 791 | 759 | 777 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 749 | 765 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 780 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 747 | 762 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 742 | 765 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 753 | 759 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 755 | 778 |
| | Sholapur | 0.00% | 90.21% | 8.06% | 8.06% | 804 | 761 | 788 |
| SR | Raichur | 0.00% | 88.75% | 0.00% | 0.00% | 800 | 778 | 791 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 765 | 765 |
| | Somanhalli (400 kV) | 0.00% | 97.50% | 2.50% | 2.50% | 421 | 394 | 403 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 400 | 408 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 749 | 760 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 754 | 768 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 747 | 753 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 406 | 411 |
| NER | Balipara (400 kV) | 0.00% | 66.81% | 18.61% | 18.61% | 424 | 411 | 418 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 401 | 408 |
| | Misa (400 kV) | 0.00% | 89.51% | 2.57% | 2.57% | 422 | 410 | 416 |

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