

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **25-Nov-15**
System Reliability Indices Report for: **24-Nov-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 | 16 | 4.00 | 16.67 |
| 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-Nov-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% | 794 | 737 | 770 |
| | Fatehpur | 0.90% | 98.75% | 0.00% | 0.90% | 776 | 725 | 753 |
| | Moga | 0.00% | 92.43% | 7.57% | 7.57% | 808 | 747 | 785 |
| | Phagi | 0.14% | 99.86% | 0.00% | 0.14% | 787 | 727 | 766 |
| WR | Aurangabad | 0.00% | 95.35% | 0.00% | 0.00% | 800 | 757 | 782 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 776 | 776 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 741 | 771 |
| | Sholapur | 0.00% | 68.06% | 28.13% | 28.13% | 811 | 766 | 790 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 760 | 777 |
| SR | Nellore PS | 0.00% | 75.07% | 24.93% | 24.93% | 812 | 773 | 791 |
| | Raichur | 0.00% | 90.92% | 9.08% | 9.08% | 806 | -781 | 785 |
| | Thiruvalam | 0.00% | 28.47% | 71.53% | 71.53% | 822 | 0 | 803 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 739 | 753 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 774 | 782 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 753 | 762 |
| NER | Balipara (400 kV) | 0.00% | 72.01% | 27.99% | 27.99% | 428 | 396 | 416 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 393 | 409 |
| | Silchar (400 kV) | 0.00% | 93.19% | 6.81% | 6.81% | 421 | 403 | 415 |

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