

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

**Date of Reporting: 4-Mar-16
System Reliability Indices Report for: 3-Mar-16**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 1 | 0.25 | 1.04 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | NEW-SR | 37 | 9.25 | 38.54 |
| 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 03-Mar-2016

| 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% | 785 | 747 | 766 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 735 | 750 |
| | Moga | 0.00% | 97.78% | 2.22% | 2.22% | 803 | 757 | 780 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 748 | 762 |
| WR | Aurangabad | 0.00% | 98.89% | 1.11% | 1.11% | 802 | 758 | 781 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 329 | 770 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 754 | 768 |
| | Sholapur | 0.00% | 66.94% | 30.56% | 30.56% | 817 | 772 | 795 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 780 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 770 | 783 |
| | Raichur | 0.00% | 82.57% | 17.43% | 17.43% | 809 | 776 | 793 |
| | Thiruvalam | 0.00% | 92.64% | 7.36% | 7.36% | 805 | 776 | 793 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 733 | 746 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 766 | 781 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 770 | 780 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 392 | 408 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 387 | 403 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 405 | 411 |

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