

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

**Date of Reporting: 2-Nov-16
System Reliability Indices Report for: 1-Nov-16**

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 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 14 | 3.50 | 14.58 |
| 5 | 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 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 4 | ER-NER | 4 | 1.00 | 4.17 |

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 01-Nov-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% | 792 | 766 | 779 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 760 | 768 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 763 | 779 |
| | Bhiwani | 0.00% | 67.92% | 32.08% | 32.08% | 806 | 786 | 797 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 750 | 765 |
| | Jhatikara | 0.00% | 99.31% | 0.69% | 0.69% | 801 | 770 | 784 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 771 | 788 |
| | Meerut | 0.00% | 99.65% | 0.00% | 0.00% | 800 | 772 | 786 |
| | Moga | 0.00% | 59.79% | 40.21% | 40.21% | 802 | 779 | 795 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 773 | 785 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 746 | 759 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 752 | 766 |
| | Aurangabad | 0.00% | 99.79% | 0.21% | 0.21% | 801 | 767 | 781 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 759 | 773 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 763 | 769 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 769 | 779 |
| | Champa | 0.00% | 77.92% | 3.82% | 3.82% | 802 | 792 | 797 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 772 | 777 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 760 | 777 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 772 | 782 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 764 | 778 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 772 | 781 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 746 | 756 |
| | Pune | 0.00% | 99.65% | 0.00% | 0.00% | 800 | 758 | 779 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 788 | 792 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 786 | 787 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 762 | 767 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 766 | 775 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 770 | 781 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 762 | 767 |
| | Sholapur | 0.00% | 97.22% | 2.78% | 2.78% | 808 | 775 | 788 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 788 | 793 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 763 | 748 | 756 | |
| Vadodara | 0.00% | 87.50% | 12.50% | 12.50% | 805 | 777 | 791 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 768 | 770 | |
| Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 774 | 784 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 778 | 789 |
| | Raichur | 0.00% | 99.93% | 0.07% | 0.07% | 801 | 773 | 787 |
| | Kurnool | 0.00% | 94.72% | 5.28% | 5.28% | 803 | 778 | 793 |
| | Thiruvalam | 0.00% | 52.85% | 47.15% | 47.15% | 811 | 789 | 801 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 768 | 777 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 762 | 777 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 779 | 787 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 773 | 784 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 730 | 760 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 402 | 409 |
| | Balipara (400 kV) | 0.00% | 96.46% | 3.54% | 3.54% | 423 | 402 | 414 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 394 | 406 |
| | Misa (400 kV) | 0.00% | 59.72% | 40.28% | 40.28% | 423 | 405 | 417 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 399 | 411 |

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