

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

**Date of Reporting: 15-Oct-16
System Reliability Indices Report for: 14-Oct-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 | 7 | 1.75 | 7.29 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 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 | 10 | 2.50 | 10.42 |

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 14-Oct-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% | 788 | 749 | 773 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 761 | 767 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 763 | 776 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 767 | 783 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 758 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 741 | 763 |
| | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 764 | 783 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 763 | 777 |
| | Meerut | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 769 | 777 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 763 | 774 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 760 | 776 |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 746 | 759 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 747 | 766 |
| | Aurangabad | 0.00% | 99.51% | 0.49% | 0.49% | 802 | 751 | 779 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 748 | 769 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 755 | 763 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 755 | 775 |
| | Champa | 0.00% | 85.28% | 11.88% | 11.88% | 803 | 784 | 793 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 761 | 771 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 745 | 777 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 755 | 776 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 750 | 773 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 759 | 777 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 742 | 755 |
| | Pune | 0.00% | 98.96% | 0.00% | 0.00% | 800 | 753 | 779 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 780 | 790 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 774 | 781 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 761 | 769 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 760 | 773 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 761 | 779 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 754 | 762 |
| | Sholapur | 0.00% | 85.42% | 14.58% | 14.58% | 807 | 761 | 788 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 780 | 789 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 745 | 755 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 763 | 780 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 766 | 771 | |
| Wardha | 0.00% | 97.64% | 2.36% | 2.36% | 805 | 763 | 784 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 772 | 782 |
| | Raichur | 0.00% | 99.72% | 0.28% | 0.28% | 800 | 763 | 784 |
| | Kurnool | 0.00% | 96.94% | 3.06% | 3.06% | 803 | 773 | 789 |
| | Thiruvalam | 0.00% | 74.86% | 25.14% | 25.14% | 809 | 780 | 793 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 765 | 773 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 761 | 773 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 774 | 783 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 768 | 778 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 732 | 759 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 402 | 406 |
| | Balipara (400 kV) | 0.00% | 99.38% | 0.63% | 0.63% | 421 | 395 | 408 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 389 | 400 |
| | Misa (400 kV) | 0.00% | 99.17% | 0.83% | 0.83% | 422 | 397 | 410 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 399 | 407 |

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