

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

**Date of Reporting: 11-Jan-17
System Reliability Indices Report for: 10-Jan-17**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 20 | 5.00 | 20.83 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 2 | 0.50 | 2.08 |
| 4 | NEW-SR | 9 | 2.25 | 9.38 |
| 5 | NER Import | 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 | 4 | 1.00 | 4.17 |
| 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 | NER Import | 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 10-Jan-2017

| 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 | 748 | 770 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 750 | 762 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 755 | 764 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 769 | 780 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 757 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 738 | 760 |
| | Jhatikara | 0.00% | 94.10% | 5.90% | 5.90% | 806 | 757 | 781 |
| | Lucknow | 0.00% | 98.68% | 1.32% | 1.32% | 802 | 764 | 784 |
| | Meerut | 0.00% | 90.35% | 8.54% | 8.54% | 811 | 759 | 786 |
| | Moga | 0.00% | 97.78% | 2.22% | 2.22% | 804 | 765 | 784 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 754 | 775 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 728 | 756 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 754 | 772 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 756 | 774 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 751 | 769 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 751 | 761 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 755 | 776 |
| | Champa | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 775 | 788 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 762 | 778 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 753 | 773 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 754 | 775 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 752 | 770 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 759 | 780 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 751 | 766 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 746 | 766 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 774 | 785 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 766 | 780 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 758 | 769 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 755 | 771 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 757 | 773 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 750 | 759 |
| | Sholapur | 0.00% | 97.22% | 2.78% | 2.78% | 805 | 762 | 781 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 774 | 785 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 752 | 764 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 758 | 776 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 761 | 771 | |
| Wardha | 0.00% | 99.93% | 0.07% | 0.07% | 800 | 763 | 779 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 771 | 785 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 765 | 783 |
| | Kurnool | 0.00% | 98.75% | 1.25% | 1.25% | 803 | 769 | 787 |
| | Thiruvalam | 0.00% | 50.21% | 49.79% | 49.79% | 808 | 781 | 796 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 766 | 781 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 751 | 771 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 772 | 787 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 783 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 745 | 770 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 405 | 410 |
| | Balipara (400 kV) | 0.00% | 99.72% | 0.28% | 0.28% | 421 | 392 | 408 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 398 | 409 |
| | Misa (400 kV) | 0.00% | 70.14% | 29.86% | 29.86% | 426 | 400 | 415 |
| | Silchar (400 kV) | 0.00% | 74.51% | 25.49% | 25.49% | 424 | 404 | 415 |

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