

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **11-Jan-18**
System Reliability Indices Report for: **10-Jan-18**

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 | 0 | 0.00 | 0.00 |
| 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 | 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 | 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-2018

| 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 | 764 | 782 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 769 | 773 |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 767 | 771 |
| | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 765 | 780 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 758 | 772 |
| | Bhiwani | 0.00% | 99.38% | 0.63% | 0.63% | 803 | 776 | 790 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 755 | 770 |
| | Greater Noida | 0.00% | 90.83% | 9.17% | 9.17% | 805 | 777 | 792 |
| | Jhatikara | 0.00% | 94.11% | 5.89% | 5.89% | 805 | 774 | 790 |
| | Kanpur GIS | 0.00% | 100.00% | 0.00% | 0.00% | 730 | 754 | 758 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 757 | 776 |
| | Lalitpur | 0.00% | #DIV/0! | #DIV/0! | #DIV/0! | 0 | 0 | #DIV/0! |
| | Meerut | 0.00% | 84.24% | 10.83% | 10.83% | 809 | 774 | 792 |
| | Moga | 0.00% | 99.58% | 0.42% | 0.42% | 801 | 765 | 784 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 765 | 782 |
| | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 765 | 772 |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 752 | 755 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 757 | 774 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 767 | 783 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 757 | 771 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 759 | 767 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 760 | 776 |
| | Champa | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 781 | 788 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 766 | 774 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 765 | 782 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 763 | 781 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 757 | 773 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 767 | 780 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 756 | 767 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 753 | 773 |
| | Raigarh Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 785 | 791 |
| | Raipur Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 778 | 783 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 759 | 766 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 762 | 778 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 759 | 765 |
| | Solapur | 0.00% | 96.88% | 3.13% | 3.13% | 803 | 774 | 790 |
| | Tamnar | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 786 | 791 |
| | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 755 | 763 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 782 |
| | Kurnool | 0.00% | 98.75% | 1.25% | 1.25% | 804 | 767 | 784 |
| | Nellore PS | 0.00% | 99.72% | 0.28% | 0.28% | 801 | 769 | 784 |
| | Raichur | 0.00% | 99.24% | 0.76% | 0.76% | 802 | 769 | 786 |
| | Srikakulam | 0.00% | 90.14% | 9.86% | 9.86% | 804 | 782 | 793 |
| Thiruvalem | 0.00% | 61.60% | 38.40% | 38.40% | 814 | 777 | 797 | |
| Vemagiri | 0.00% | 98.96% | 1.04% | 1.04% | 801 | 774 | 786 | |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 779 | 788 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 759 | 771 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 780 | 788 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 771 | 780 |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 404 | 407 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 399 | 407 |
| | Bongaigaon TPS (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 403 | 411 |
| | Byrnihat (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 404 | 407 |
| | Palatana (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 413 | 405 |
| | Misa (400 kV) | 0.00% | 93.96% | 6.04% | 6.04% | 424 | 400 | 414 |
| | Biswanath Chariali (400 kV) | 0.00% | 99.65% | 0.07% | 0.07% | 421 | 393 | 409 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 402 | 410 |

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