

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

**System Reliability Indices Report for the week from
15-Jan-2018 to 21-Jan-2018**

Date: 25-Jan-2017

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 | 7 | 1.75 | 1.04 |
| 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 | 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 week from 15-Jan-2018 to 21-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% | 99.72% | 0.06% | 0.06% | 802 | 763 | 783 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 767 | 774 |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 766 | 774 |
| | Anta | 0.00% | 99.65% | 0.35% | 0.35% | 803 | 766 | 784 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 754 | 773 |
| | Bhiwani | 0.00% | 87.94% | 12.06% | 12.06% | 806 | 775 | 794 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 752 | 758 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 743 | 768 |
| | Greater Noida | 0.00% | 86.24% | 13.76% | 13.76% | 809 | 776 | 794 |
| | Jhatikara | 0.00% | 85.66% | 14.34% | 14.34% | 811 | 768 | 794 |
| | Kanpur GIS | 12.66% | 87.34% | 0.00% | 12.66% | 752 | 754 | 758 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 757 | 779 |
| | Lalitpur | 0.00% | 0.00% | 0.00% | 0.00% | 789 | 769 | #DIV/0! |
| | Meerut | 0.00% | 80.89% | 14.30% | 14.30% | 811 | 769 | 793 |
| | Moga | 0.00% | 99.98% | 0.02% | 0.02% | 800 | 761 | 783 |
| | Phagi | 0.00% | 98.25% | 1.75% | 1.75% | 804 | 762 | 785 |
| | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 761 | 779 |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 752 | 755 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 754 | 774 |
| | Aurangabad | 0.00% | 99.94% | 0.06% | 0.06% | 801 | 760 | 782 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 746 | 771 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 752 | 763 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 758 | 776 |
| | Champa | 0.00% | 99.99% | 0.01% | 0.01% | 802 | 776 | 788 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 760 | 772 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 754 | 780 |
| | Ektuni | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 750 | 776 |
| | Gwalior | 0.00% | 99.98% | 0.02% | 0.02% | 801 | 764 | 781 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 747 | 772 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 764 | 781 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 755 | 768 |
| | Pune | 0.00% | 99.89% | 0.00% | 0.00% | 800 | 736 | 773 |
| | Raigarh Pooling | 0.00% | 97.88% | 2.12% | 2.12% | 802 | 782 | 792 |
| | Raipur Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 776 | 785 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 753 | 766 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 755 | 769 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 757 | 776 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 751 | 761 |
| | Solapur | 0.00% | 98.04% | 1.96% | 1.96% | 808 | 765 | 787 |
| Tamnar | 0.00% | 99.28% | 0.72% | 0.72% | 801 | 783 | 792 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 753 | 764 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 761 | 782 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 756 | 768 | |
| Wardha | 0.00% | 99.97% | 0.03% | 0.03% | 800 | 764 | 784 | |
| SR | Kurnool | 0.00% | 97.58% | 2.42% | 2.42% | 810 | 759 | 784 |
| | Nellore PS | 0.00% | 99.72% | 0.28% | 0.28% | 802 | 762 | 784 |
| | Raichur | 0.00% | 99.29% | 0.71% | 0.71% | 803 | 761 | 785 |
| | Nizamabad | 0.00% | 98.78% | 1.22% | 1.22% | 806 | 769 | 787 |
| | Srikakulam | 0.00% | 94.16% | 5.84% | 5.84% | 808 | 774 | 790 |
| | Thiruvallam | 0.00% | 49.54% | 50.46% | 50.46% | 820 | 770 | 798 |
| | Vemagiri | 0.00% | 99.70% | 0.30% | 0.30% | 803 | 763 | 784 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 773 | 787 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 755 | 771 |
| | Jharsuguda | 0.00% | 97.24% | 2.76% | 2.76% | 804 | 778 | 791 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 758 | 777 |
| | Sasaram | 0.10% | 99.90% | 0.00% | 0.10% | 796 | 723 | 753 |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 402 | 408 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 391 | 410 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 396 | 408 |
| | Bongaigaon TPS (400 kV) | 0.00% | 99.99% | 0.01% | 0.01% | 420 | 401 | 412 |
| | Byrnihat (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 402 | 408 |
| | Palatana (400 kV) | 0.00% | 99.64% | 0.33% | 0.33% | 421 | 410 | 405 |
| | Misa (400 kV) | 0.00% | 97.63% | 2.37% | 2.37% | 422 | 395 | 412 |
| | Ranganadi (400 kV) | 0.00% | 98.41% | 1.59% | 1.59% | 424 | 387 | 409 |
| | Biswanath Chariali (400 kV) | 0.00% | 99.98% | 0.00% | 0.00% | 420 | 387 | 408 |
| Silchar (400 kV) | 0.00% | 99.79% | 0.21% | 0.21% | 421 | 397 | 410 | |

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