

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

Date of Reporting: **24-Apr-18**
System Reliability Indices Report for: **23-Apr-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 23-Apr-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% | 788 | 750 | 771 | |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 763 | 769 | |
| | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 770 | 781 | |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 746 | 767 | |
| | Bhiwani | 0.00% | 94.79% | 5.21% | 5.21% | 802 | 771 | 787 | |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 741 | 764 | |
| | Greater Noida | 0.00% | 98.96% | 1.04% | 1.04% | 801 | 767 | 783 | |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 756 | 775 | |
| | Lalitpur | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 762 | 773 | |
| | Meerut | 0.00% | 81.46% | 15.69% | 15.69% | 810 | 767 | 790 | |
| | Moga | 0.00% | 99.72% | 0.28% | 0.28% | 803 | 784 | 799 | |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 769 | 782 | |
| Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 751 | 772 | | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 752 | 755 | | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 761 | 773 | |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 773 | 785 | |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 753 | 771 | |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 759 | 767 | |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 764 | 774 | |
| | Champa | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 753 | 780 | |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 756 | 768 | |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 765 | 779 | |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 763 | 778 | |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 754 | 771 | |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 763 | 769 | |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 741 | 768 | |
| | Raigarh Pooling | 0.60% | 99.40% | 0.00% | 0.60% | 798 | 703 | 790 | |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 759 | 764 | |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 773 | 780 | |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 761 | 765 | |
| | Solapur | 0.00% | 99.86% | 0.14% | 0.14% | 801 | 771 | 788 | |
| | Tamnar | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 767 | 791 | |
| | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 761 | 768 | |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 762 | 777 | |
| SR | Kurnool | 0.00% | 73.06% | 26.94% | 26.94% | 812 | 773 | 794 | |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 772 | 787 | |
| | Raichur | 0.00% | 92.23% | 7.77% | 7.77% | 804 | 774 | 791 | |
| | Srikakulam | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 761 | 776 | |
| | Thiruvallam | 0.00% | 72.71% | 27.29% | 27.29% | 808 | 774 | 795 | |
| | Vemagiri | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 766 | 779 | |
| | ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 751 | 767 |
| | | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 744 | 767 |
| | | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 765 | 780 |
| | | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 766 | 774 |
| NER | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 408 | 395 | 404 | |
| | Bongaigaon TPS (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 401 | 411 | |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 397 | 409 | |
| | Biswanath Chariali (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 392 | 404 | |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 400 | 411 | |

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