

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **25-Aug-17**
System Reliability Indices Report for: **24-Aug-17**

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 24-Aug-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% | 794 | 760 | 779 |
| | Agra (Fatehabad) | 0.00% | 100.00% | 0.00% | 0.00% | 759 | 756 | 759 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 758 | 765 |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 758 | 766 |
| | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 769 | 779 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 757 | 776 |
| | Bara | 0.00% | 100.00% | 0.00% | 0.00% | 759 | 759 | 759 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 769 | 785 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 756 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 755 | 772 |
| | Greater Noida | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 765 | 783 |
| | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 762 | 782 |
| | Kanpur GIS | 0.00% | 100.00% | 0.00% | 0.00% | 759 | 759 | 759 |
| | Lucknow | 0.00% | 99.86% | 0.14% | 0.14% | 800 | 753 | 776 |
| | Lalitpur | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 762 | 773 |
| | Meerut | 0.00% | 86.25% | 6.81% | 6.81% | 804 | 767 | 788 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 770 | 770 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 781 | |
| Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 764 | 780 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 747 | 764 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 771 | 779 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 770 | 783 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 762 | 772 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 765 | 770 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 770 | 780 |
| | Champa | 0.00% | 45.83% | 45.76% | 45.76% | 810 | 793 | 800 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 778 | 785 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 765 | 780 |
| | Ektuni | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 770 | 778 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 763 | 780 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 765 | 776 |
| | Jabalpur | 0.00% | 97.29% | 2.71% | 2.71% | 801 | 774 | 784 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 766 | 772 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 752 | 771 |
| | Raigarh Pooling | 0.00% | 60.21% | 39.79% | 39.79% | 806 | 788 | 798 |
| | Raipur Pooling | 0.00% | 96.81% | 3.19% | 3.19% | 801 | 774 | 789 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 756 | 762 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 760 | 771 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 776 | 784 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 764 | 768 |
| Solapur | 0.00% | 99.10% | 0.90% | 0.90% | 802 | 778 | 792 | |
| Tamnar | 0.00% | 47.92% | 52.08% | 52.08% | 808 | 790 | 799 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 762 | 767 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 770 | 783 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 757 | 764 | |
| Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 777 | 788 | |
| SR | Kurnool | 0.00% | 89.44% | 10.56% | 10.56% | 805 | 781 | 791 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 780 | 788 |
| | Raichur | 0.00% | 94.02% | 5.98% | 5.98% | 803 | 783 | 792 |
| | Nizamabad | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 776 | 785 |
| | Srikakulam | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 761 | 784 |
| | Thiruvalam | 0.00% | 67.01% | 32.99% | 32.99% | 813 | 788 | 800 |
| Vemagiri | 0.49% | 99.51% | 0.00% | 0.49% | 796 | 726 | 774 | |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 776 | 787 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 764 | 779 |
| | Jharsuguda | 0.00% | 85.63% | 14.38% | 14.38% | 807 | 789 | 796 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 779 | 788 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 746 | 763 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 402 | 406 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 396 | 403 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 390 | 400 |
| | Bongaigaon TPS (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 399 | 409 |
| | Byrnihat (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 402 | 406 |
| | Misa (400 kV) | 0.00% | 99.72% | 0.28% | 0.28% | 423 | 399 | 410 |
| Silchar (400 kV) | 0.00% | 91.46% | 8.54% | 8.54% | 427 | 395 | 406 | |

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