

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

System Reliability Indices Report for the week from
20-Jan-2020 to 26-Jan-2020

Date: 31-Jan-2020

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 | 1 | 0.25 | 0.15 |
| 3 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 16 | 4.00 | 2.38 |
| 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 20-Jan-2020 to 26-Jan-2020

| 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% | 99.83% | 0.17% | 0.17% | 805 | 754 | 781 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 758 | 768 |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 758 | 768 |
| | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 761 | 779 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 754 | 776 |
| | Bhiwani | 0.00% | 99.80% | 0.20% | 0.20% | 800 | 760 | 783 |
| | Bareilly | 0.00% | 82.01% | 17.99% | 17.99% | 810 | 765 | 790 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 734 | 765 |
| | Greater Noida | 0.00% | 90.76% | 9.24% | 9.24% | 806 | 766 | 789 |
| | Jhatikara | 0.00% | 99.92% | 0.08% | 0.08% | 801 | 758 | 783 |
| | Kanpur GIS | 0.00% | 99.98% | 0.02% | 0.02% | 801 | 758 | 780 |
| | Lucknow | 0.00% | 94.34% | 5.66% | 5.66% | 804 | 762 | 786 |
| | Lalitpur | 0.20% | 99.46% | 0.33% | 0.53% | 803 | 725 | 778 |
| | Meerut | 0.00% | 98.79% | 1.21% | 1.21% | 803 | 755 | 781 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 747 | 774 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 756 | 781 |
| | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 759 | 781 |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 746 | 773 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 752 | 772 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 752 | 779 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 754 | 772 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 762 | 775 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 759 | 782 |
| | Champa | 0.00% | 99.95% | 0.05% | 0.05% | 800 | 772 | 787 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 752 | 772 |
| | Gwalior | 0.00% | 99.86% | 0.14% | 0.14% | 803 | 758 | 783 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 748 | 770 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 763 | 785 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 748 | 765 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 752 | 782 |
| | Raigarh Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 773 | 786 |
| | Raipur Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 771 | 780 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 761 | 772 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 760 | 778 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 761 | 781 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 763 | 774 |
| | Solapur | 0.00% | 97.84% | 2.16% | 2.16% | 804 | 756 | 786 |
| | Tamnar | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 775 | 787 |
| | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 749 | 761 |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 763 | 780 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 763 | 774 | |
| Wardha | 0.00% | 99.95% | 0.05% | 0.05% | 794 | 763 | 782 | |
| SR | Kurnool | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 746 | 777 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 745 | 770 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 752 | 777 |
| | Nizamabad | 0.00% | 96.23% | 3.77% | 3.77% | 813 | 750 | 785 |
| | Srikakulam | 0.00% | 85.60% | 14.40% | 14.40% | 809 | 771 | 794 |
| | Thiruvallam | 0.00% | 85.60% | 14.40% | 14.40% | 809 | 771 | 794 |
| | Vemagiri | 0.00% | 77.07% | 22.93% | 22.93% | 815 | 764 | 795 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 772 | 786 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 754 | 775 |
| | Jharsuguda | 0.00% | 84.67% | 15.33% | 15.33% | 809 | 780 | 795 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 767 | 782 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 743 | 762 |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 405 | 410 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 396 | 410 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 401 | 409 |
| | Bongaigaon TPS (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 402 | 411 |
| | Byrnihat (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 405 | 410 |
| | Palatana (400 kV) | 0.00% | 97.14% | 2.86% | 2.86% | 421 | 406 | 415 |
| | Misa (400 kV) | 0.00% | 99.60% | 0.40% | 0.40% | 421 | 398 | 411 |
| | Ranganadi (400 kV) | 0.00% | 65.26% | 34.74% | 34.74% | 430 | 405 | 418 |
| | Biswanath Chariali (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 395 | 408 |
| | Silchar (400 kV) | 0.00% | 94.54% | 5.46% | 5.46% | 420 | 398 | 411 |

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