

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: 19-12-2021
System Reliability Indices Report for: 18-12-2021

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

| | | | | |
|---|--------------|---|------|------|
| 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 |

Voltage Profile for the day of 18-12-2021

| Region | Sr.No. | 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 | 1 | Agra | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 756 | 777 |
| | 2 | Agra (Fatehabad) | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 756 | 777 |
| | 3 | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 760 | 769 |
| | 4 | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 760 | 769 |
| | 5 | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 757 | 782 |
| | 6 | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 759 | 772 |
| | 7 | Bara | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 763 | 769 |
| | 8 | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 760 | 779 |
| | 9 | Bareilly | 0.00% | 90.21% | 9.79% | 9.79% | 804 | 754 | 783 |
| | 10 | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 752 | 771 |
| | 11 | Greater Noida | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 759 | 784 |
| | 12 | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 757 | 777 |
| | 13 | Kanpur GIS | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 755 | 774 |
| | 14 | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 757 | 778 |
| | 15 | Lalitpur | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 755 | 768 |
| | 16 | Meerut | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 756 | 782 |
| | 17 | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 751 | 771 |
| | 18 | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 751 | 782 |
| | 19 | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 763 | 776 |
| WR | 1 | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 755 | 773 |
| | 2 | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 747 | 774 |
| | 3 | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 753 | 773 |
| | 4 | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 759 | 774 |
| | 5 | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 761 | 781 |
| | 6 | Champa | 0.00% | 78.33% | 21.67% | 21.67% | 808 | 770 | 790 |
| | 7 | Dharamjalgarh | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 759 | 773 |
| | 8 | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 752 | 774 |
| | 9 | Ektuni | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 752 | 771 |
| | 10 | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 764 | 784 |
| | 11 | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 751 | 771 |
| | 12 | Jabalpur | 0.00% | 89.24% | 10.76% | 10.76% | 804 | 767 | 786 |
| | 13 | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 753 | 765 |
| | 14 | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 751 | 779 |
| | 15 | Raigarh Pooling | 0.00% | 99.79% | 0.21% | 0.21% | 800 | 769 | 786 |
| | 16 | Raipur Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 767 | 784 |
| | 17 | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 768 | 778 |
| | 18 | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 770 | 786 |
| | 19 | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 753 | 776 |
| | 20 | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 761 | 775 |
| | 21 | Solapur | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 758 | 781 |
| | 22 | Tamnar | 0.00% | 99.10% | 0.90% | 0.90% | 800 | 772 | 787 |
| | 23 | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 753 | 761 |
| | 24 | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 749 | 777 |
| | 25 | Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 749 | 782 |
| | 26 | Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 749 | 782 |
| | 27 | Bhuj | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 753 | 767 |
| SR | 1 | Kurnool | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 750 | 772 |
| | 2 | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 755 | 775 |
| | 3 | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 753 | 775 |
| | 4 | Nizamabad | 0.00% | 94.51% | 5.49% | 5.49% | 808 | 760 | 787 |
| | 5 | Srikakulam | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 744 | 778 |
| | 6 | Thiruvallam | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 744 | 778 |
| | 7 | Vemagiri | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 744 | 776 |
| ER | 1 | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 752 | 778 |
| | 2 | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 754 | 768 |
| | 3 | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 767 | 785 |
| | 4 | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 767 | 780 |
| | 5 | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 754 | 765 |
| NER | 1 | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 393 | 403 |
| | 2 | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 403 | 410 |
| | 3 | Bongaigaon TPS (400 kV) | 0.00% | 99.51% | 0.49% | 0.49% | 420 | 404 | 413 |
| | 4 | Palatana (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 399 | 405 |
| | 5 | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 393 | 404 |
| | 6 | Ranganadi (400 kV) | 0.00% | 99.51% | 0.49% | 0.49% | 421 | 398 | 410 |
| | 7 | Biswanath Chariali (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 393 | 405 |
| | 8 | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 405 | 409 |

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