

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

**System Reliability Indices Report for the week from
03-Jan-2022 to 09-Jan-2022**

Date: 14-Jan-2022

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 | 0 | 0.00 | 0.00 |
| 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 03-Jan-2022 to 09-Jan-2022

| 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 | 1 | Agra | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 745 | 773 |
| | 2 | Agra (Fatehabad) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 745 | 773 |
| | 3 | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 761 | 771 |
| | 4 | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 761 | 771 |
| | 5 | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 763 | 779 |
| | 6 | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 747 | 767 |
| | 7 | Bara | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 763 | 769 |
| | 8 | Bhiwani | 0.00% | 99.97% | 0.03% | 0.03% | 801 | 757 | 780 |
| | 9 | Bareilly | 0.00% | 93.06% | 6.94% | 6.94% | 807 | 753 | 783 |
| | 10 | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 743 | 769 |
| | 11 | Greater Noida | 0.00% | 98.98% | 1.02% | 1.02% | 802 | 762 | 785 |
| | 12 | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 759 | 779 |
| | 13 | Kanpur GIS | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 751 | 772 |
| | 14 | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 749 | 775 |
| | 15 | Lalitpur | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 751 | 768 |
| | 17 | Moga | 0.00% | 99.90% | 0.10% | 0.10% | 802 | 744 | 768 |
| | 18 | Phagi | 0.00% | 99.99% | 0.01% | 0.01% | 800 | 754 | 784 |
| | 19 | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 759 | 774 |
| | 20 | Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 744 | 767 |
| | WR | 1 | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 752 |
| 2 | | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 744 | 774 |
| 3 | | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 750 | 773 |
| 4 | | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 762 | 775 |
| 5 | | Bina | 0.00% | 99.79% | 0.21% | 0.21% | 801 | 760 | 781 |
| 6 | | Champa | 0.00% | 76.68% | 23.32% | 23.32% | 810 | 774 | 794 |
| 7 | | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 765 | 777 |
| 8 | | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 747 | 774 |
| 9 | | Ektuni | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 747 | 769 |
| 10 | | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 766 | 784 |
| 11 | | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 748 | 771 |
| 12 | | Jabalpur | 0.00% | 93.84% | 6.16% | 6.16% | 805 | 770 | 788 |
| 13 | | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 750 | 767 |
| 14 | | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 747 | 781 |
| 15 | | Raigarh Pooling | 0.00% | 98.28% | 1.72% | 1.72% | 801 | 773 | 789 |
| 16 | | Raipur Pooling | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 772 | 787 |
| 17 | | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 767 | 778 |
| 18 | | Satna | 0.00% | 98.44% | 1.56% | 1.56% | 801 | 769 | 785 |
| 19 | | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 758 | 777 |
| 20 | | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 765 | 777 |
| 21 | | Solapur | 0.00% | 98.99% | 1.01% | 1.01% | 803 | 758 | 783 |
| 22 | | Tamnar | 0.00% | 99.54% | 0.46% | 0.46% | 801 | 776 | 790 |
| 23 | | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 750 | 764 |
| 24 | | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 749 | 775 |
| 25 | | Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 749 | 781 |
| 26 | | Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 749 | 781 |
| 27 | | Bhuj | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 757 | 773 |
| SR | 1 | Kurnool | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 744 | 773 |
| | 2 | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 748 | 774 |
| | 3 | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 750 | 774 |
| | 4 | Nizamabad | 0.00% | 96.67% | 3.33% | 3.33% | 811 | 744 | 777 |
| | 5 | Srikakulam | 0.00% | 94.83% | 5.17% | 5.17% | 808 | 754 | 782 |
| | 6 | Thiruvallam | 0.00% | 94.83% | 5.17% | 5.17% | 808 | 754 | 785 |
| | 7 | Vemagiri | 0.00% | 84.15% | 15.85% | 15.85% | 816 | 747 | 785 |
| ER | 1 | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 759 | 786 |
| | 2 | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 752 | 782 |
| | 3 | Jharsuguda | 0.00% | 98.39% | 1.61% | 1.61% | 802 | 774 | 767 |
| | 4 | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 763 | 791 |
| | 5 | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 744 | 779 |
| NER | 1 | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 403 | 407 |
| | 2 | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 394 | 407 |
| | 3 | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 403 | 402 |
| | 4 | Bongaigaon TPS (400 kV) | 0.00% | 96.18% | 3.82% | 3.82% | 422 | 404 | 411 |
| | 6 | Palatana (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 399 | 405 |
| | 7 | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 393 | 405 |
| | 8 | Ranganadi (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 397 | 405 |
| | 9 | Biswanath Chariali (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 395 | 406 |
| | 10 | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 405 | 403 |

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