

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

**System Reliability Indices Report for the week from  
07-Nov-2022 to 13-Nov-2022**

Date: 18-Nov-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        | 0                         | 0.00                     | 0.00       |
| 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 07-Nov-2022 to 13-Nov-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                  | 750                  | 774                  |     |
|        | 2  | Agra (Fatehabad)            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 750                  | 774                  |     |
|        | 3  | Anpara-C                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 769                  | 757                  | 763                  |     |
|        | 4  | Anpara-D                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 769                  | 757                  | 763                  |     |
|        | 5  | Anta                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 762                  | 779                  |     |
|        | 6  | Ballia                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 749                  | 764                  |     |
|        | 7  | Bara                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 763                  | 769                  |     |
|        | 8  | Bhiwani                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 748                  | 781                  |     |
|        | 9  | Bareilly                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 746                  | 776                  |     |
|        | 10 | Fatehpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 744                  | 768                  |     |
|        | 11 | Greater Noida               | 0.00%                                 | 98.41%   | 1.59%                                 | 1.59%   | 805                  | 750                  | 785                  |     |
|        | 12 | Jhatikara                   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 743                  | 777                  |     |
|        | 13 | Kanpur GIS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 744                  | 768                  |     |
|        | 14 | Lucknow                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 745                  | 770                  |     |
|        | 17 | Moga                        | 0.00%                                 | 98.80%   | 1.20%                                 | 1.20%   | 815                  | 743                  | 774                  |     |
|        | 18 | Phagi                       | 0.00%                                 | 99.76%   | 0.24%                                 | 0.24%   | 801                  | 743                  | 780                  |     |
|        | 19 | Varanasi                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 756                  | 773                  |     |
|        | 20 | Unnao                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 771                  | 737                  | 757                  |     |
|        | WR | 1                           | Akola                                 | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 788                  | 746                  | 770 |
|        |    | 2                           | Aurangabad                            | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 795                  | 747                  | 776 |
| 3      |    | Bhopal (BDTCL)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 741                  | 770                  |     |
| 4      |    | Bilaspur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 760                  | 773                  |     |
| 5      |    | Bina                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 752                  | 778                  |     |
| 6      |    | Champa                      | 0.00%                                 | 93.02%   | 6.98%                                 | 6.98%   | 805                  | 772                  | 791                  |     |
| 7      |    | Dharamjaigarh               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 764                  | 777                  |     |
| 8      |    | Dhule (BDTCL)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 747                  | 775                  |     |
| 9      |    | Ektuni                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 747                  | 767                  |     |
| 10     |    | Gwalior                     | 0.00%                                 | 99.96%   | 0.04%                                 | 0.04%   | 800                  | 757                  | 783                  |     |
| 11     |    | Indore                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 742                  | 773                  |     |
| 12     |    | Jabalpur                    | 0.00%                                 | 99.60%   | 0.40%                                 | 0.40%   | 802                  | 761                  | 787                  |     |
| 13     |    | Koradi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 750                  | 765                  |     |
| 14     |    | Pune                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 739                  | 780                  |     |
| 15     |    | Raigarh Pooling             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 772                  | 788                  |     |
| 16     |    | Raipur Pooling              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 771                  | 787                  |     |
| 17     |    | Sasan                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 764                  | 778                  |     |
| 18     |    | Satna                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 765                  | 784                  |     |
| 19     |    | Seoni                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 751                  | 774                  |     |
| 20     |    | Sipat                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 763                  | 774                  |     |
| 21     |    | Solapur                     | 0.00%                                 | 99.99%   | 0.01%                                 | 0.01%   | 800                  | 754                  | 781                  |     |
| 22     |    | Tannar                      | 0.00%                                 | 99.98%   | 0.02%                                 | 0.02%   | 800                  | 774                  | 789                  |     |
| 23     |    | Tirora                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 771                  | 751                  | 762                  |     |
| 24     |    | Vadodara                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 742                  | 777                  |     |
| 25     |    | Vindhyachal PS              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 742                  | 781                  |     |
| 26     |    | Wardha                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 742                  | 781                  |     |
| 27     |    | Bhuj                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 747                  | 773                  |     |
| SR     | 1  | Kurnool                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 743                  | 773                  |     |
|        | 2  | Nellore PS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 750                  | 774                  |     |
|        | 3  | Raichur                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 747                  | 774                  |     |
|        | 4  | Nizamabad                   | 0.00%                                 | 76.42%   | 23.58%                                | 23.58%  | 805                  | 760                  | 778                  |     |
|        | 5  | Srikakulam                  | 0.00%                                 | 93.31%   | 6.69%                                 | 6.69%   | 806                  | 751                  | 788                  |     |
|        | 6  | Thiruvallam                 | 0.00%                                 | 93.31%   | 6.69%                                 | 6.69%   | 806                  | 751                  | 782                  |     |
|        | 7  | Vemagiri                    | 0.00%                                 | 90.21%   | 9.79%                                 | 9.79%   | 812                  | 743                  | 782                  |     |
| ER     | 1  | Angul                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 745                  | 779                  |     |
|        | 2  | Gaya                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 750                  | 770                  |     |
|        | 3  | Jharsuguda                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 771                  | 765                  |     |
|        | 4  | Ranchi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 770                  | 787                  |     |
|        | 5  | Sasaram                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 744                  | 767                  |     |
| NER    | 1  | Azara (400 kV)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 403                  | 408                  |     |
|        | 2  | Balipara (400 kV)           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 397                  | 404                  |     |
|        | 3  | Bongaigaon (400 kV)         | 0.00%                                 | 99.95%   | 0.05%                                 | 0.05%   | 421                  | 405                  | 413                  |     |
|        | 4  | Bongaigaon TPS (400 kV)     | 0.00%                                 | 81.81%   | 18.19%                                | 18.19%  | 424                  | 407                  | 416                  |     |
|        | 5  | Palatana (400 kV)           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 411                  | 400                  | 405                  |     |
|        | 6  | Misa (400 kV)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 413                  | 396                  | 405                  |     |
|        | 7  | Ranganadi (400 kV)          | 0.00%                                 | 79.06%   | 20.94%                                | 20.94%  | 426                  | 407                  | 415                  |     |
|        | 8  | Biswanath Chariali (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 399                  | 408                  |     |
|        | 9  | 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.