

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

Date of Reporting: **15-Apr-18**  
System Reliability Indices Report for: **14-Apr-18**

**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 14-Apr-2018

| 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%   | 795                  | 752                  | 774                  |     |
|                     | Anpara-D                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 764                  | 776                  |     |
|                     | Anta                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 771                  | 784                  |     |
|                     | Ballia                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 746                  | 769                  |     |
|                     | Bhiwani                     | 0.00%                                 | 95.28%   | 4.72%                                 | 4.72%   | 803                  | 768                  | 788                  |     |
|                     | Fatehpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 732                  | 758                  |     |
|                     | Greater Noida               | 0.00%                                 | 95.83%   | 4.17%                                 | 4.17%   | 806                  | 765                  | 786                  |     |
|                     | Lucknow                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 754                  | 777                  |     |
|                     | Lalitpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 764                  | 777                  |     |
|                     | Meerut                      | 0.00%                                 | 85.56%   | 11.81%                                | 11.81%  | 810                  | 762                  | 786                  |     |
|                     | Moga                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 756                  | 776                  |     |
|                     | Phagi                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 768                  | 785                  |     |
| Varanasi            | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 790   | 751                  | 773                  |                      |     |
| Unnao               | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 782   | 752                  | 755                  |                      |     |
| WR                  | Akola                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 762                  | 773                  |     |
|                     | Aurangabad                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 764                  | 782                  |     |
|                     | Bhopal (BDTCL)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 749                  | 767                  |     |
|                     | Bilaspur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 766                  | 756                  | 762                  |     |
|                     | Bina                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 758                  | 774                  |     |
|                     | Champa                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 782                  | 791                  |     |
|                     | Dharamjaigarh               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 776                  | 765                  | 770                  |     |
|                     | Dhule (BDTCL)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 764                  | 776                  |     |
|                     | Gwalior                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 756                  | 777                  |     |
|                     | Indore                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 753                  | 769                  |     |
|                     | Koradi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 776                  | 763                  | 771                  |     |
|                     | Pune                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 749                  | 775                  |     |
|                     | Raigarh Pooling             | 0.00%                                 | 99.79%   | 0.21%                                 | 0.21%   | 800                  | 786                  | 795                  |     |
|                     | Sasan                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 774                  | 760                  | 768                  |     |
|                     | Seoni                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 767                  | 777                  |     |
|                     | Sipat                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 764                  | 756                  | 760                  |     |
|                     | Solapur                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 772                  | 786                  |     |
|                     | Tamnar                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 729                  | 794                  |     |
|                     | Tirora                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 773                  | 763                  | 769                  |     |
|                     | Vadodara                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 759                  | 771                  |     |
| SR                  | Kurnool                     | 0.00%                                 | 97.29%   | 2.71%                                 | 2.71%   | 802                  | 773                  | 787                  |     |
|                     | Nellore PS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 774                  | 784                  |     |
|                     | Raichur                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 775                  | 787                  |     |
|                     | Srikakulam                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 770                  | 779                  |     |
|                     | Thiruvalam                  | 0.00%                                 | 85.69%   | 14.31%                                | 14.31%  | 801                  | 777                  | 789                  |     |
|                     | Vemagiri                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 768                  | 778                  |     |
|                     | ER                          | Angul                                 | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 768                  | 768                  | 768 |
|                     |                             | Gaya                                  | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 778                  | 742                  | 763 |
|                     |                             | Jharsuguda                            | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 789                  | 775                  | 783 |
|                     |                             | Ranchi                                | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 783                  | 768                  | 776 |
| Bongaigaon (400 kV) |                             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 413                  | 400                  | 408                  |     |
| NER                 | Bongaigaon TPS (400 kV)     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 418                  | 407                  | 414                  |     |
|                     | Misa (400 kV)               | 0.00%                                 | 99.10%   | 0.90%                                 | 0.90%   | 421                  | 403                  | 414                  |     |
|                     | Biswanath Chariali (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 414                  | 397                  | 406                  |     |
|                     | Silchar (400 kV)            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 418                  | 405                  | 412                  |     |

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