

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

Date of Reporting: 18-Apr-20  
System Reliability Indices Report for: 17-Apr-20

**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       |
| 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 17-Apr-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) |
|------------------|-----------------------------|---------------------------------------|--|---------------------------------------|---|
| NR               | Agra                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Anpara-C                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Anpara-D                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Anta                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Ballia                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bara                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bhiwani                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bareilly                    | 0.00%                                 | 94.79%   | 5.21%                                 | 5.21%   |
|                  | Fatehpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Greater Noida               | 0.00%                                 | 98.40%   | 1.60%                                 | 1.60%   |
|                  | Kanpur GIS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Lucknow                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Lalitpur                    | 0.00%                                 | 0.00%  | 0.00%                                 | 0.00%   |
|                  | Moga                        | 0.00%                                 | 99.79%   | 0.21%                                 | 0.21%   |
|                  | Phagi                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
| Varanasi         | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| Unnao            | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| WR               | Akola                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Aurangabad                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bhopal (BDTCL)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bilaspur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bina                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Champa                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Dharamjaigarh               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Dhule (BDTCL)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Ektuni                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Gwalior                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Indore                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Jabalpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Koradi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Pune                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Raigarh Pooling             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Raipur Pooling              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Sasan                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Satna                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Seoni                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Sipat                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Solapur                     | 0.00%                                 | 99.65%   | 0.35%                                 | 0.35%   |
|                  | Tamnar                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Tirora                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
| Vadodara         | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| Vindhyachal PS   | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| Wardha           | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| SR               | Kurnool                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Nellore PS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Raichur                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Nizamabad                   | 0.00%                                 | 89.10%   | 10.90%                                | 10.90%  |
|                  | Srikakulam                  | 0.00%                                 | 97.64%   | 2.36%                                 | 2.36%   |
|                  | Thiruvalam                  | 0.00%                                 | 97.64%   | 2.36%                                 | 2.36%   |
| Vemagiri         | 0.00%                       | 97.64%                                | 2.36%  | 2.36%                                 |   |
| ER               | Angul                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Gaya                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
| Ranchi           | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |
| NER              | Azara (400 kV)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Balipara (400 kV)           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bongaigaon (400 kV)         | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Bongaigaon TPS (400 kV)     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Byrnhat (400 kV)            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Palatana (400 kV)           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Misa (400 kV)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
|                  | Ranganadi (400 kV)          | 0.00%                                 | 68.40%   | 31.60%                                | 31.60%  |
|                  | Biswanath Chariali (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   |
| Silchar (400 kV) | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 |   |

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