

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

Date of Reporting: **20-Aug-18**  
System Reliability Indices Report for: **19-Aug-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 | 1                         | 0.25                     | 1.04       |
| 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       |

### Voltage Profile for the day of 19-Aug-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%   | 792                  | 761                  | 777                  |
|        | Anpara-D                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 762                  | 767                  |
|        | Anta                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 757                  | 786                  |
|        | Ballia                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 768                  | 784                  |
|        | Bhiwani                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 767                  | 782                  |
|        | Fatehpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 743                  | 765                  |
|        | Greater Noida               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 763                  | 781                  |
|        | Lucknow                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 766                  | 782                  |
|        | Lalitpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 773                  | 782                  |
|        | Moga                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 766                  | 780                  |
|        | Phagi                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 765                  | 784                  |
| Unnao  | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 772   | 752                  | 755                  |                      |
| WR     | Akola                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 779                  | 786                  |
|        | Aurangabad                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 783                  | 790                  |
|        | Bhopal (BDTCL)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 764                  | 774                  |
|        | Bilaspur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 767                  | 772                  |
|        | Bina                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 767                  | 779                  |
|        | Dhule (BDTCL)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 771                  | 785                  |
|        | Gwalior                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 760                  | 778                  |
|        | Indore                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 770                  | 779                  |
|        | Koradi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 768                  | 774                  |
|        | Pune                        | 0.00%                                 | 89.38%   | 0.00%                                 | 0.00%   | 800                  | 757                  | 784                  |
|        | Raigarh Pooling             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 781                  | 787                  |
|        | Sasan                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 773                  | 759                  | 766                  |
|        | Seoni                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 782                  | 789                  |
|        | Sipat                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 767                  | 771                  |
|        | Solapur                     | 0.00%                                 | 89.44%   | 10.56%                                | 10.56%  | 805                  | 783                  | 794                  |
|        | Tamnara                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 783                  | 790                  |
|        | Tirora                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 772                  | 763                  | 767                  |
|        | Vadodara                    | 0.00%                                 | 99.58%   | 0.42%                                 | 0.42%   | 800                  | 782                  | 791                  |
|        | Kurnool                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 762                  | 782                  |
| SR     | Nellore PS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 775                  | 786                  |
|        | Raichur                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 770                  | 788                  |
|        | Srikakulam                  | 0.00%                                 | 27.78%   | 72.22%                                | 72.22%  | 807                  | 796                  | 801                  |
|        | Thiruvallam                 | 0.00%                                 | 94.17%   | 5.83%                                 | 5.83%   | 803                  | 781                  | 793                  |
|        | Vemagiri                    | 0.00%                                 | 54.86%   | 45.14%                                | 45.14%  | 804                  | 799                  | 801                  |
|        | Angul                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 780                  | 785                  |
| ER     | Gaya                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 760                  | 773                  |
|        | Ranchi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 772                  | 779                  |
| NER    | Bongaigaon (400 kV)         | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 406                  | 393                  | 401                  |
|        | Bongaigaon TPS (400 kV)     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 414                  | 402                  | 409                  |
|        | Misa (400 kV)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 416                  | 404                  | 411                  |
|        | Biswanath Chariali (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 413                  | 399                  | 407                  |
|        | Silchar (400 kV)            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 410                  | 401                  | 406                  |

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