

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

Date of Reporting: **18-Dec-17**  
System Reliability Indices Report for: **17-Dec-17**

**Percentage (%) of times ATC was violated**

|   |              |   |      |      |
|---|--------------|---|------|------|
| 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       | 8 | 2.00 | 8.33 |
| 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       | 1                         | 0.25                     | 1.04       |
| 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-Dec-2017

| 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%                                 | 99.38%   | 0.35%                                 | 0.35%   | 802                  | 769                  | 787                  |     |
|                  | Anpara-C                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 767                  | 773                  |     |
|                  | Anpara-D                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 780                  | 768                  | 773                  |     |
|                  | Anta                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 772                  | 787                  |     |
|                  | Ballia                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 762                  | 775                  |     |
|                  | Bhiwani                     | 0.00%                                 | 74.51%   | 25.49%                                | 25.49%  | 805                  | 785                  | 795                  |     |
|                  | Fatehpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 754                  | 770                  |     |
|                  | Greater Noida               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 793                  | 793                  |     |
|                  | Jhatikara                   | 0.00%                                 | 82.08%   | 17.92%                                | 17.92%  | 806                  | 779                  | 793                  |     |
|                  | Kanpur GIS                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 752                  | 754                  | 758                  |     |
|                  | Lucknow                     | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 767                  | 781                  |     |
|                  | Lalitpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 763                  | 773                  |     |
|                  | Meerut                      | 0.00%                                 | 69.31%   | 24.58%                                | 24.58%  | 810                  | 777                  | 795                  |     |
|                  | Moga                        | 0.00%                                 | 96.74%   | 3.26%                                 | 3.26%   | 805                  | 768                  | 783                  |     |
|                  | Phagi                       | 0.00%                                 | 96.39%   | 3.61%                                 | 3.61%   | 803                  | 770                  | 789                  |     |
| Varanasi         | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 792   | 770                  | 780                  |                      |     |
| Unnao            | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 776   | 752                  | 755                  |                      |     |
| WR               | Akola                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 759                  | 777                  |     |
|                  | Aurangabad                  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 767                  | 783                  |     |
|                  | Bhopal (BDTCL)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 758                  | 776                  |     |
|                  | Bilaspur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 756                  | 769                  |     |
|                  | Bina                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 761                  | 780                  |     |
|                  | Champa                      | 0.00%                                 | 50.49%   | 35.14%                                | 35.14%  | 807                  | 784                  | 798                  |     |
|                  | Dharamjaigarh               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 764                  | 777                  |     |
|                  | Dhule (BDTCL)               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 767                  | 784                  |     |
|                  | Gwalior                     | 0.00%                                 | 97.64%   | 2.36%                                 | 2.36%   | 804                  | 768                  | 785                  |     |
|                  | Indore                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 760                  | 779                  |     |
|                  | Jabalpur                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 763                  | 782                  |     |
|                  | Koradi                      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 757                  | 769                  |     |
|                  | Pune                        | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 761                  | 778                  |     |
|                  | Raigarh Pooling             | 0.00%                                 | 49.17%   | 50.83%                                | 50.83%  | 806                  | 787                  | 799                  |     |
|                  | Raipur Pooling              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 782                  | 790                  |     |
|                  | Sasan                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 774                  | 754                  | 765                  |     |
|                  | Seoni                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 764                  | 782                  |     |
|                  | Sipat                       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 776                  | 758                  | 767                  |     |
|                  | Solapur                     | 0.00%                                 | 94.17%   | 5.83%                                 | 5.83%   | 805                  | 779                  | 792                  |     |
|                  | Tamnar                      | 0.00%                                 | 51.32%   | 48.68%                                | 48.68%  | 806                  | 787                  | 798                  |     |
| Tirora           | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 772   | 755                  | 765                  |                      |     |
| SR               | Vadodara                    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 772                  | 787                  |     |
|                  | Kurnool                     | 0.00%                                 | 87.22%   | 12.78%                                | 12.78%  | 806                  | 776                  | 792                  |     |
|                  | Nellore PS                  | 0.00%                                 | 78.68%   | 21.32%                                | 21.32%  | 807                  | 778                  | 794                  |     |
|                  | Raichur                     | 0.00%                                 | 91.39%   | 8.61%                                 | 8.61%   | 804                  | 778                  | 791                  |     |
|                  | Srikakulam                  | 0.00%                                 | 78.75%   | 21.25%                                | 21.25%  | 805                  | 779                  | 794                  |     |
|                  | Thiruvallam                 | 0.00%                                 | 29.24%   | 70.76%                                | 70.76%  | 815                  | 789                  | 803                  |     |
|                  | Vemagiri                    | 0.00%                                 | 93.06%   | 6.94%                                 | 6.94%   | 802                  | 773                  | 790                  |     |
|                  | ER                          | Angul                                 | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 799                  | 775                  | 789 |
|                  |                             | Gaya                                  | 0.00%  | 100.00%                               | 0.00%   | 0.00%                | 787                  | 763                  | 774 |
|                  |                             | Jharsuguda                            | 0.00%  | 94.65%                                | 5.35%   | 5.35%                | 801                  | 778                  | 792 |
| Ranchi           |                             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 771                  | 785                  |     |
| Sasaram          | 0.00%                       | 100.00%                               | 0.00%  | 0.00%                                 | 770   | 742                  | 754                  |                      |     |
| NER              | Azara (400 kV)              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 411                  | 403                  | 408                  |     |
|                  | Bongaigaon (400 kV)         | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 399                  | 409                  |     |
|                  | Bongaigaon TPS (400 kV)     | 0.00%                                 | 99.93%   | 0.07%                                 | 0.07%   | 420                  | 403                  | 413                  |     |
|                  | Byrnihat (400 kV)           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 411                  | 403                  | 408                  |     |
|                  | Palatana (400 kV)           | 0.00%                                 | 86.45%   | 10.38%                                | 10.38%  | 421                  | 395                  | 405                  |     |
|                  | Misa (400 kV)               | 0.00%                                 | 98.66%   | 1.34%                                 | 1.34%   | 421                  | 401                  | 413                  |     |
|                  | Biswanath Chariali (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 418                  | 397                  | 410                  |     |
| Silchar (400 kV) | 0.00%                       | 99.93%                                | 0.07%  | 0.07%                                 | 420   | 392                  | 411                  |                      |     |

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