

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

Date of Reporting: **22-May-17**  
System Reliability Indices Report for: **21-May-17**

**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       | 3                         | 0.75                     | 3.13       |
| 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 21-May-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%                                 | 97.92%   | 1.88%                                 | 1.88%   | 807                  | 762                  | 780                  |
|        | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 807                  | 747                  | 766                  |
|        | Moga                | 0.00%                                 | 99.10%   | 100.00%                               | 0.00%   | 801                  | 770                  | 781                  |
|        | Phagi               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 734                  | 781                  |
| WR     | Aurangabad          | 0.00%                                 | 99.51%   | 0.49%                                 | 0.49%   | 805                  | 767                  | 785                  |
|        | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 779                  | 779                  |
|        | Gwalior             | 0.00%                                 | 97.78%   | 2.22%                                 | 2.22%   | 806                  | 763                  | 782                  |
|        | Sholapur            | 0.00%                                 | 98.68%   | 1.32%                                 | 1.32%   | 809                  | 760                  | 785                  |
|        | Vadodara            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 761                  | 778                  |
| SR     | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 772                  | 777                  |
|        | Raichur             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 770                  | 784                  |
|        | Thiruvallur         | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 782                  | 788                  |
| ER     | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 756                  | 775                  |
|        | Jharsuguda          | 0.00%                                 | 89.58%   | 10.42%                                | 10.42%  | 801                  | 773                  | 794                  |
|        | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 775                  | 787                  |
| NER    | Balipara (400 kV)   | 0.00%                                 | 83.47%   | 16.53%                                | 16.53%  | 424                  | 401                  | 413                  |
|        | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 419                  | 397                  | 410                  |
|        | Silchar (400 kV)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 399                  | 409                  |

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