

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

Date of Reporting: **14-Jul-17**  
System Reliability Indices Report for: **13-Jul-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       | 7                         | 1.75                     | 7.29       |
| 5     | NER Import   | 14                        | 3.50                     | 15.62      |

**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       | 3                         | 0.75                     | 3.12       |
| 4     | NER Import   | 8                         | 2.00                     | 8.33       |

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 13-Jul-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%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 754                  | 773                  |
|        | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 746                  | 760                  |
|        | Moga                | 0.00%                                 | 100.00%  | 100.00%                               | 0.00%   | 790                  | 754                  | 771                  |
|        | Phagi               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 759                  | 776                  |
| WR     | Aurangabad          | 0.00%                                 | 92.29%   | 7.71%                                 | 7.71%   | 803                  | 770                  | 791                  |
|        | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 778                  | 783                  |
|        | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 757                  | 778                  |
|        | Sholapur            | 0.00%                                 | 88.40%   | 11.60%                                | 11.60%  | 806                  | 775                  | 792                  |
|        | Vadodara            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 772                  | 784                  |
| SR     | Nellore PS          | 0.00%                                 | 90.07%   | 9.93%                                 | 9.93%   | 803                  | 773                  | 791                  |
|        | Raichur             | 0.00%                                 | 85.28%   | 14.72%                                | 14.72%  | 807                  | 771                  | 792                  |
|        | Thiruvalam          | 0.00%                                 | 56.40%   | 43.60%                                | 43.60%  | 815                  | 781                  | 801                  |
| ER     | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 756                  | 769                  |
|        | Jharsuguda          | 0.00%                                 | 97.50%   | 2.50%                                 | 2.50%   | 804                  | 773                  | 795                  |
|        | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 768                  | 785                  |
| NER    | Balipara (400 kV)   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 397                  | 406                  |
|        | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 410                  | 390                  | 400                  |
|        | Silchar (400 kV)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 391                  | 409                  |

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