

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

**Date of Reporting: 9-Jan-17  
System Reliability Indices Report for: 8-Jan-17**

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

| <b>S.No.</b> | <b>Corridor</b> | <b>Number of Blocks Violated</b> | <b>Number of Hours Violated</b> | <b>%Violation</b> |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1            | WR-NR           | 4                                | 1.00                            | 4.17              |
| 2            | ER-NR           | 0                                | 0.00                            | 0.00              |
| 3            | Import of NR    | 2                                | 0.50                            | 2.08              |
| 4            | NEW-SR          | 1                                | 0.25                            | 1.04              |
| 5            | NER Import      | 0                                | 0.00                            | 0.00              |

**Percentage(%) of times (N-1) Criteria was violated**

| <b>S.No.</b> | <b>Corridor</b> | <b>Number of Blocks Violated</b> | <b>Number of Hours Violated</b> | <b>%Violation</b> |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 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 08-Jan-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%   | 790                  | 758                  | 773                  |
|                | Anpara-C            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 774                  | 753                  | 764                  |
|                | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 761                  | 777                  |
|                | Bhiwani             | 0.00%                                 | 65.71%   | 34.29%                                | 34.29%  | 805                  | 780                  | 793                  |
|                | Bareilly            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 760                  | 760                  |
|                | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 743                  | 759                  |
|                | Jhatikara           | 0.00%                                 | 88.13%   | 11.88%                                | 11.88%  | 806                  | 775                  | 790                  |
|                | Lucknow             | 0.00%                                 | 88.89%   | 11.11%                                | 11.11%  | 803                  | 774                  | 790                  |
|                | Meerut              | 0.00%                                 | 91.88%   | 4.31%                                 | 4.31%   | 808                  | 771                  | 789                  |
|                | Moga                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 772                  | 783                  |
| Phagi          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 795   | 767                  | 780                  |                      |
| Unnao          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 783   | 745                  | 759                  |                      |
| WR             | Akola               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 753                  | 774                  |
|                | Aurangabad          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 759                  | 778                  |
|                | Bhopal (BDTCL)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 753                  | 773                  |
|                | Bilaspur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 754                  | 765                  |
|                | Bina                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 759                  | 778                  |
|                | Champa              | 0.00%                                 | 83.06%   | 12.99%                                | 12.99%  | 804                  | 783                  | 795                  |
|                | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 770                  | 783                  |
|                | Dhule (BDTCL)       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 757                  | 776                  |
|                | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 763                  | 777                  |
|                | Indore              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 754                  | 776                  |
|                | Jabalpur            | 0.00%                                 | 98.82%   | 1.18%                                 | 1.18%   | 802                  | 770                  | 785                  |
|                | Koradi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 752                  | 769                  |
|                | Pune                | 0.00%                                 | 99.93%   | 0.00%                                 | 0.00%   | 800                  | 747                  | 768                  |
|                | Raigarh PS (Kotra)  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 781                  | 790                  |
|                | Raipur PS (Durg)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 777                  | 782                  |
|                | Sasan               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 774                  | 751                  | 767                  |
|                | Satna               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 750                  | 772                  |
|                | Seoni               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 761                  | 776                  |
|                | Sipat               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 772                  | 754                  | 763                  |
|                | Sholapur            | 0.00%                                 | 98.82%   | 1.18%                                 | 1.18%   | 809                  | 766                  | 784                  |
| Tamnar PS      | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 797   | 780                  | 790                  |                      |
| Tirora         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 774   | 753                  | 766                  |                      |
| Vadodara       | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 798   | 763                  | 782                  |                      |
| Vindhyachal PS | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 778   | 757                  | 769                  |                      |
| Wardha         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 797   | 767                  | 782                  |                      |
| SR             | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 777                  | 785                  |
|                | Raichur             | 0.00%                                 | 99.65%   | 0.35%                                 | 0.35%   | 804                  | 770                  | 784                  |
|                | Kurnool             | 0.00%                                 | 99.58%   | 0.42%                                 | 0.42%   | 804                  | 774                  | 787                  |
|                | Thiruvalam          | 0.00%                                 | 63.89%   | 36.11%                                | 36.11%  | 809                  | 789                  | 798                  |
| ER             | Angul               | 0.00%                                 | 92.36%   | 7.64%                                 | 7.64%   | 802                  | 784                  | 793                  |
|                | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 758                  | 775                  |
|                | Jharsuguda          | 0.00%                                 | 74.93%   | 25.07%                                | 25.07%  | 807                  | 784                  | 795                  |
|                | Ranchi              | 0.00%                                 | 99.58%   | 0.42%                                 | 0.42%   | 800                  | 774                  | 787                  |
| Sasaram        | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 765   | 734                  | 749                  |                      |
| NER            | Azara (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 415                  | 404                  | 411                  |
|                | Balipara (400 kV)   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 420                  | 391                  | 409                  |
|                | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 418                  | 395                  | 410                  |
|                | Misa (400 kV)       | 0.00%                                 | 67.85%   | 32.15%                                | 32.15%  | 425                  | 400                  | 416                  |
|                | Silchar (400 kV)    | 0.00%                                 | 81.46%   | 18.54%                                | 18.54%  | 428                  | 401                  | 415                  |

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