

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

**Date of Reporting: 19-Nov-16  
System Reliability Indices Report for: 18-Nov-16**

**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           | 0                                | 0.00                            | 0.00              |
| 2            | ER-NR           | 0                                | 0.00                            | 0.00              |
| 3            | Import of NR    | 3                                | 0.75                            | 3.13              |
| 4            | NEW-SR          | 43                               | 10.75                           | 44.79             |
| 5            | NER Import      | 5                                | 1.25                            | 5.21              |

**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          | 2                                | 0.50                            | 2.08              |
| 4            | NER Import      | 4                                | 1.00                            | 4.17              |

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 18-Nov-2016

| 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%   | 793                  | 747                  | 772                  |
|                | Anpara-C            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 759                  | 766                  |
|                | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 761                  | 777                  |
|                | Bhiwani             | 0.00%                                 | 70.14%   | 29.86%                                | 29.86%  | 809                  | 757                  | 788                  |
|                | Bareilly            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 752                  | 760                  |
|                | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 736                  | 759                  |
|                | Jhatikara           | 0.00%                                 | 74.17%   | 25.83%                                | 25.83%  | 809                  | 753                  | 786                  |
|                | Lucknow             | 0.00%                                 | 94.24%   | 5.76%                                 | 5.76%   | 805                  | 765                  | 785                  |
|                | Meerut              | 0.00%                                 | 93.61%   | 5.35%                                 | 5.35%   | 811                  | 756                  | 783                  |
|                | Moga                | 0.00%                                 | 99.31%   | 0.69%                                 | 0.69%   | 800                  | 763                  | 773                  |
| Phagi          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 800   | 749                  | 780                  |                      |
| Unnao          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 776   | 737                  | 756                  |                      |
| WR             | Akola               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 747                  | 769                  |
|                | Aurangabad          | 0.00%                                 | 99.86%   | 0.14%                                 | 0.14%   | 800                  | 756                  | 778                  |
|                | Bhopal (BDTCL)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 783                  | 744                  | 765                  |
|                | Bilaspur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 753                  | 765                  |
|                | Bina                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 751                  | 770                  |
|                | Champa              | 0.00%                                 | 92.57%   | 1.25%                                 | 1.25%   | 802                  | 781                  | 793                  |
|                | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 757                  | 772                  |
|                | Dhule (BDTCL)       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 755                  | 776                  |
|                | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 752                  | 775                  |
|                | Indore              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 749                  | 767                  |
|                | Jabalpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 756                  | 772                  |
|                | Koradi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 744                  | 760                  |
|                | Pune                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 752                  | 767                  |
|                | Raigarh PS (Kotra)  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 779                  | 788                  |
|                | Raipur PS (Durg)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 767                  | 776                  |
|                | Sasan               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 772                  | 754                  | 763                  |
|                | Satna               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 751                  | 766                  |
|                | Seoni               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 756                  | 776                  |
|                | Sipat               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 774                  | 754                  | 764                  |
|                | Sholapur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 759                  | 782                  |
| Tamnar PS      | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 797   | 779                  | 789                  |                      |
| Tirora         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 769   | 748                  | 760                  |                      |
| Vadodara       | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 798   | 758                  | 778                  |                      |
| Vindhyachal PS | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 774   | 760                  | 766                  |                      |
| Wardha         | 0.00%               | 99.44%                                | 0.56%  | 0.56%                                 | 803   | 762                  | 783                  |                      |
| SR             | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 771                  | 781                  |
|                | Raichur             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 763                  | 781                  |
|                | Kurnool             | 0.00%                                 | 99.51%   | 0.49%                                 | 0.49%   | 802                  | 771                  | 787                  |
|                | Thiruvalam          | 0.00%                                 | 84.10%   | 15.90%                                | 15.90%  | 805                  | 779                  | 791                  |
| ER             | Angul               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 764                  | 774                  |
|                | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 760                  | 775                  |
|                | Jharsuguda          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 770                  | 783                  |
|                | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 764                  | 777                  |
|                | Sasaram             | 0.07%                                 | 99.93%   | 0.00%                                 | 0.07%   | 757                  | 727                  | 745                  |
| NER            | Azara (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 402                  | 409                  |
|                | Balipara (400 kV)   | 0.00%                                 | 99.63%   | 0.37%                                 | 0.37%   | 420                  | 400                  | 409                  |
|                | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 390                  | 406                  |
|                | Misa (400 kV)       | 0.00%                                 | 93.96%   | 6.04%                                 | 6.04%   | 422                  | 394                  | 414                  |
|                | Silchar (400 kV)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 400                  | 411                  |

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