

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

Date of Reporting: **24-Sep-16**  
System Reliability Indices Report for: **23-Sep-16**

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

| S.No. | Corridor     | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1     | WR-NR        | 18                        | 4.50                     | 18.75      |
| 2     | ER-NR        | 0                         | 0.00                     | 0.00       |
| 3     | Import of NR | 8                         | 2.00                     | 8.33       |
| 4     | NEW-SR       | 3                         | 0.75                     | 3.13       |
| 5     | ER-NER       | 17                        | 4.25                     | 17.71      |

**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     | ER-NER       | 15                        | 3.75                     | 15.63      |

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 23-Sep-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%   | 791                  | 761                  | 775                  |
|                | Anpara-C            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 772                  | 759                  | 765                  |
|                | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 758                  | 770                  |
|                | Bhiwani             | 0.00%                                 | 97.99%   | 2.01%                                 | 2.01%   | 801                  | 773                  | 785                  |
|                | Bareilly            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 760                  | 760                  |
|                | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 751                  | 762                  |
|                | Jhatikara           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 758                  | 782                  |
|                | Lucknow             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 761                  | 774                  |
|                | Meerut              | 0.00%                                 | 88.33%   | 8.26%                                 | 8.26%   | 807                  | 775                  | 789                  |
|                | Moga                | 0.00%                                 | 89.93%   | 10.07%                                | 10.07%  | 803                  | 773                  | 790                  |
| Phagi          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 790   | 758                  | 775                  |                      |
| Unnao          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 767   | 744                  | 753                  |                      |
| WR             | Akola               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 746                  | 764                  |
|                | Aurangabad          | 0.00%                                 | 99.44%   | 0.56%                                 | 0.56%   | 802                  | 752                  | 785                  |
|                | Bhopal (BDTCL)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 757                  | 768                  |
|                | Bilaspur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 773                  | 759                  | 767                  |
|                | Bina                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 769                  | 777                  |
|                | Champa              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 782                  | 791                  |
|                | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 783                  | 769                  | 776                  |
|                | Dhule (BDTCL)       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 751                  | 784                  |
|                | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 768                  | 778                  |
|                | Indore              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 759                  | 771                  |
|                | Jabalpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 772                  | 779                  |
|                | Koradi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 757                  | 735                  | 748                  |
|                | Pune                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 737                  | 777                  |
|                | Raigarh PS (Kotra)  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 783                  | 790                  |
|                | Raipur PS (Durg)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 774                  | 782                  |
|                | Sasan               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 773                  | 764                  | 768                  |
|                | Satna               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 768                  | 774                  |
|                | Seoni               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 762                  | 778                  |
|                | Sipat               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 771                  | 760                  | 766                  |
|                | Sholapur            | 0.00%                                 | 69.86%   | 30.14%                                | 30.14%  | 811                  | 765                  | 795                  |
| Tamnara PS     | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 796   | 783                  | 790                  |                      |
| Tirora         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 757   | 741                  | 750                  |                      |
| Vadodara       | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 796   | 761                  | 781                  |                      |
| Vindhyachal PS | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 774   | 768                  | 771                  |                      |
| Wardha         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 799   | 760                  | 785                  |                      |
| SR             | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 777                  | 788                  |
|                | Raichur             | 0.00%                                 | 98.26%   | 1.74%                                 | 1.74%   | 803                  | 768                  | 791                  |
|                | Kurnool             | 0.00%                                 | 95.28%   | 4.72%                                 | 4.72%   | 805                  | 778                  | 794                  |
|                | Thiruvalam          | 0.00%                                 | 76.11%   | 23.89%                                | 23.89%  | 805                  | 782                  | 794                  |
| ER             | Angul               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 765                  | 775                  |
|                | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 787                  | 757                  | 769                  |
|                | Jharsuguda          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 778                  | 786                  |
|                | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 771                  | 781                  |
| Sasaram        | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 778   | 750                  | 762                  |                      |
| NER            | Azara (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 411                  | 400                  | 407                  |
|                | Balipara (400 kV)   | 0.00%                                 | 99.72%   | 0.28%                                 | 0.28%   | 423                  | 406                  | 414                  |
|                | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 399                  | 407                  |
|                | Misa (400 kV)       | 0.00%                                 | 96.53%   | 3.47%                                 | 3.47%   | 422                  | 408                  | 416                  |
|                | Silchar (400 kV)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 415                  | 404                  | 410                  |

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