

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

**System Reliability Indices Report for the week from  
04-Jul-2016 to 10-Jul-2016**

Date: 15-Jul-2016

**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 | 108                       | 27.00                    | 16.07      |
| 4     | NEW-SR       | 20                        | 5.00                     | 2.98       |
| 5     | ER-NER       | 13                        | 3.25                     | 1.93       |

**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 | 12                        | 3.00                     | 1.79       |
| 4     | NEW-SR       | 0                         | 0.00                     | 0.00       |
| 4     | ER-NER       | 5                         | 1.25                     | 0.74       |

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 week from 04-Jul-2016 to 10-Jul-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%   | 798                  | 741                  | 774                  |
|                | Anpara-C            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 748                  | 763                  |
|                | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 739                  | 769                  |
|                | Bhiwani             | 0.00%                                 | 99.92%   | 0.08%                                 | 0.08%   | 802                  | 750                  | 779                  |
|                | Bareilly            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 753                  | 760                  |
|                | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 737                  | 764                  |
|                | Jhatikara           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 755                  | 765                  |
|                | Lucknow             | 0.00%                                 | 99.92%   | 0.08%                                 | 0.08%   | 801                  | 743                  | 775                  |
|                | Meerut              | 0.00%                                 | 95.69%   | 2.59%                                 | 2.59%   | 809                  | 753                  | 783                  |
|                | Moga                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 747                  | 774                  |
| Phagi          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 798   | 748                  | 776                  |                      |
| Unnao          | 0.17%               | 99.83%                                | 0.00%  | 0.17%                                 | 783   | 725                  | 757                  |                      |
| WR             | Akola               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 781                  | 752                  | 768                  |
|                | Aurangabad          | 0.00%                                 | 96.90%   | 3.10%                                 | 3.10%   | 806                  | 758                  | 787                  |
|                | Bhopal (BDTCL)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 749                  | 771                  |
|                | Bilaspur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 782                  | 759                  | 772                  |
|                | Bina                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 752                  | 777                  |
|                | Champa              | 0.00%                                 | 68.92%   | 23.61%                                | 23.61%  | 813                  | 779                  | 797                  |
|                | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 765                  | 779                  |
|                | Dhule (BDTCL)       | 0.00%                                 | 99.14%   | 0.86%                                 | 0.86%   | 803                  | 749                  | 784                  |
|                | Gwalior             | 0.00%                                 | 99.91%   | 0.09%                                 | 0.09%   | 801                  | 753                  | 779                  |
|                | Indore              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 751                  | 772                  |
|                | Jabalpur            | 0.00%                                 | 99.80%   | 0.20%                                 | 0.20%   | 802                  | 758                  | 779                  |
|                | Koradi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 761                  | 739                  | 753                  |
|                | Pune                | 0.70%                                 | 99.03%   | 0.00%                                 | 0.70%   | 800                  | 721                  | 768                  |
|                | Raigarh PS (Kotra)  | 0.00%                                 | 82.24%   | 17.76%                                | 17.76%  | 807                  | 781                  | 796                  |
|                | Raipur PS (Durg)    | 0.00%                                 | 99.19%   | 0.81%                                 | 0.81%   | 801                  | 775                  | 787                  |
|                | Sasan               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 785                  | 760                  | 774                  |
|                | Satna               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 760                  | 779                  |
|                | Seoni               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 763                  | 783                  |
|                | Sipat               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 780                  | 759                  | 770                  |
|                | Sholapur            | 0.00%                                 | 70.49%   | 24.40%                                | 24.40%  | 813                  | 764                  | 794                  |
| Tamnara PS     | 0.00%               | 93.49%                                | 6.51%  | 6.51%                                 | 804   | 780                  | 794                  |                      |
| Tirora         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 765   | 765                  | 765                  |                      |
| Vadodara       | 0.00%               | 99.96%                                | 0.04%  | 0.04%                                 | 800   | 759                  | 778                  |                      |
| Vindhyachal PS | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 784   | 765                  | 776                  |                      |
| Wardha         | 0.00%               | 98.33%                                | 1.67%  | 1.67%                                 | 807   | 759                  | 787                  |                      |
| SR             | Nellore PS          | 0.00%                                 | 99.52%   | 0.48%                                 | 0.48%   | 802                  | 768                  | 786                  |
|                | Raichur             | 0.00%                                 | 82.40%   | 17.60%                                | 17.60%  | 811                  | 763                  | 792                  |
|                | Kurnool             | 0.00%                                 | 83.17%   | 16.83%                                | 16.83%  | 811                  | 767                  | 792                  |
|                | Thiruvalam          | 0.00%                                 | 65.95%   | 34.05%                                | 34.05%  | 814                  | 772                  | 796                  |
| ER             | Angul               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 769                  | 782                  |
|                | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 740                  | 765                  |
|                | Jharsuguda          | 0.00%                                 | 99.31%   | 0.69%                                 | 0.69%   | 802                  | 776                  | 790                  |
|                | Ranchi              | 0.00%                                 | 99.99%   | 0.01%                                 | 0.01%   | 801                  | 774                  | 788                  |
|                | Sasaram             | 0.62%                                 | 99.38%   | 0.00%                                 | 0.62%   | 795                  | 722                  | 757                  |
| NER            | Azara (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 413                  | 401                  | 408                  |
|                | Balipara (400 kV)   | 0.00%                                 | 97.38%   | 2.62%                                 | 2.62%   | 424                  | 394                  | 408                  |
|                | Bongaigaon (400 kV) | 0.00%                                 | 99.86%   | 0.14%                                 | 0.14%   | 420                  | 395                  | 408                  |
|                | Misa (400 kV)       | 0.00%                                 | 94.99%   | 5.01%                                 | 5.01%   | 426                  | 397                  | 410                  |
|                | Silchar (400 kV)    | 0.17%                                 | 99.82%   | 0.01%                                 | 0.18%   | 424                  | 353                  | 411                  |

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