

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

**Date of Reporting: 29-Jul-16  
System Reliability Indices Report for: 28-Jul-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           | 10                               | 2.50                            | 10.42             |
| 2            | ER-NR           | 0                                | 0.00                            | 0.00              |
| 3            | Import of NR    | 0                                | 0.00                            | 0.00              |
| 4            | NEW-SR          | 5                                | 1.25                            | 5.21              |
| 5            | ER-NER          | 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            | ER-NER          | 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 28-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%   | 791                  | 761                  | 778                  |
|                | Anpara-C            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 760                  | 769                  |
|                | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 764                  | 784                  |
|                | Bhiwani             | 0.00%                                 | 95.97%   | 4.03%                                 | 4.03%   | 800                  | 777                  | 788                  |
|                | Bareilly            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 759                  | 760                  |
|                | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 748                  | 771                  |
|                | Jhatikara           | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 770                  | 770                  | 770                  |
|                | Lucknow             | 0.00%                                 | 98.75%   | 1.25%                                 | 1.25%   | 801                  | 766                  | 786                  |
|                | Meerut              | 0.00%                                 | 84.86%   | 8.33%                                 | 8.33%   | 804                  | 777                  | 793                  |
|                | Moga                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 778                  | 787                  |
| Phagi          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 798   | 768                  | 783                  |                      |
| Unnao          | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 773   | 741                  | 760                  |                      |
| WR             | Akola               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 752                  | 765                  |
|                | Aurangabad          | 0.00%                                 | 98.19%   | 1.81%                                 | 1.81%   | 804                  | 761                  | 785                  |
|                | Bhopal (BDTCL)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 763                  | 774                  |
|                | Bilaspur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 779                  | 761                  | 770                  |
|                | Bina                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 770                  | 784                  |
|                | Champa              | 0.00%                                 | 99.79%   | 0.21%                                 | 0.21%   | 801                  | 785                  | 794                  |
|                | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 770                  | 774                  |
|                | Dhule (BDTCL)       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 780                  | 786                  |
|                | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 766                  | 784                  |
|                | Indore              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 763                  | 774                  |
|                | Jabalpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 774                  | 785                  |
|                | Koradi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 757                  | 738                  | 748                  |
|                | Pune                | 0.00%                                 | 99.17%   | 0.00%                                 | 0.00%   | 800                  | 731                  | 771                  |
|                | Raigarh PS (Kotra)  | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 784                  | 793                  |
|                | Raipur PS (Durg)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 793                  | 774                  | 783                  |
|                | Sasan               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 780                  | 767                  | 774                  |
|                | Satna               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 769                  | 781                  |
|                | Seoni               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 774                  | 783                  |
|                | Sipat               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 776                  | 761                  | 768                  |
|                | Sholapur            | 0.00%                                 | 73.33%   | 23.13%                                | 23.13%  | 811                  | 769                  | 794                  |
| Tamnara PS     | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 796   | 783                  | 791                  |                      |
| Tirora         | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 765   | 765                  | 765                  |                      |
| Vadodara       | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 792   | 766                  | 779                  |                      |
| Vindhyachal PS | 0.00%               | 100.00%                               | 0.00%  | 0.00%                                 | 782   | 768                  | 776                  |                      |
| Wardha         | 0.00%               | 99.38%                                | 0.63%  | 0.63%                                 | 801   | 770                  | 787                  |                      |
| SR             | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 798                  | 777                  | 788                  |
|                | Raichur             | 0.00%                                 | 83.61%   | 16.39%                                | 16.39%  | 811                  | 770                  | 793                  |
|                | Kurnool             | 0.00%                                 | 48.75%   | 51.25%                                | 51.25%  | 814                  | 782                  | 800                  |
|                | Thiruvalam          | 0.00%                                 | 45.63%   | 54.38%                                | 54.38%  | 815                  | 791                  | 802                  |
| ER             | Angul               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 789                  | 770                  | 781                  |
|                | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 761                  | 778                  |
|                | Jharsuguda          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 797                  | 779                  | 789                  |
|                | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 795                  | 763                  | 783                  |
| Sasaram        | 0.14%               | 99.86%                                | 0.00%  | 0.14%                                 | 792   | 728                  | 761                  |                      |
| NER            | Azara (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 409                  | 403                  | 407                  |
|                | Balipara (400 kV)   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 420                  | 395                  | 406                  |
|                | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 398                  | 407                  |
|                | Misa (400 kV)       | 0.00%                                 | 96.04%   | 3.96%                                 | 3.96%   | 423                  | 399                  | 411                  |
|                | Silchar (400 kV)    | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 402                  | 410                  |

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