

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

**Date of Reporting: 29-Feb-16  
System Reliability Indices Report for: 28-Feb-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            | NEW-SR          | 0                                | 0.00                            | 0.00              |
| 4            | 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            | 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-Feb-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                  | 760                  | 777                  |
|        | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 775                  | 746                  | 762                  |
|        | Moga                | 0.00%                                 | 97.92%   | 2.08%                                 | 2.08%   | 802                  | 761                  | 782                  |
|        | Phagi               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 788                  | 756                  | 770                  |
| WR     | Aurangabad          | 0.00%                                 | 97.15%   | 2.85%                                 | 2.85%   | 804                  | 758                  | 780                  |
|        | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 768                  | 774                  |
|        | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 762                  | 777                  |
|        | Sholapur            | 0.00%                                 | 83.13%   | 15.90%                                | 15.90%  | 811                  | 767                  | 791                  |
|        | Vadodara            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 792                  | 764                  | 779                  |
| SR     | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 800                  | 773                  | 786                  |
|        | Raichur             | 0.00%                                 | 79.31%   | 20.69%                                | 20.69%  | 815                  | 773                  | 792                  |
|        | Thiruvalam          | 0.00%                                 | 62.85%   | 37.15%                                | 37.15%  | 813                  | 783                  | 797                  |
| ER     | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 771                  | 746                  | 759                  |
|        | Jharsuguda          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 799                  | 784                  | 791                  |
|        | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 796                  | 780                  | 788                  |
| NER    | Balipara (400 kV)   | 0.00%                                 | 99.17%   | 0.83%                                 | 0.83%   | 421                  | 392                  | 408                  |
|        | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 415                  | 389                  | 403                  |
|        | Silchar (400 kV)    | 0.00%                                 | 87.50%   | 12.50%                                | 12.50%  | 422                  | 402                  | 413                  |

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