

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

**Date of Reporting: 12-Jun-15  
System Reliability Indices Report for: 11-Jun-15**

**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           | 28                               | 7.00                            | 29.17             |
| 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           | 2                                | 0.50                            | 2.08              |
| 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 11-Jun-2015

| 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                  | 749                  | 768                  |
|        | Ballia              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 778                  | 741                  | 757                  |
|        | Bhiwani             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 790                  | 756                  | 772                  |
|        | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 748                  | 764                  |
| WR     | Aurangabad          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 780                  | 728                  | 759                  |
|        | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 766                  | 755                  | 763                  |
|        | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 750                  | 767                  |
|        | Sholapur            | 0.00%                                 | 87.29%   | 8.89%                                 | 8.89%   | 809                  | 763                  | 786                  |
| SR     | Raichur             | 0.00%                                 | 84.79%   | 0.00%                                 | 0.00%   | 800                  | 769                  | 787                  |
|        | Nellore PS          | 0.00%                                 | 82.57%   | 0.00%                                 | 0.00%   | 800                  | 781                  | 792                  |
|        | Somanhalli (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 383                  | 399                  |
|        | Salem (400 kV)      | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 414                  | 391                  | 402                  |
| ER     | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 780                  | 767                  | 772                  |
|        | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 760                  | 760                  | 760                  |
|        | Sasaram             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 784                  | 771                  | 774                  |
|        | Binaguri (400 kV)   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 415                  | 397                  | 408                  |
| NER    | Balipara (400 kV)   | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 408                  | 390                  | 399                  |
|        | Bongaigaon (400 kV) | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 412                  | 393                  | 403                  |
|        | Misa (400 kV)       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 417                  | 400                  | 408                  |

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