

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

**Date of Reporting: 18-Mar-16  
System Reliability Indices Report for: 17-Mar-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           | 1                                | 0.25                            | 1.04              |
| 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 17-Mar-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%   | 783                  | 746                  | 762                  |
|        | Fatehpur            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 761                  | 732                  | 747                  |
|        | Moga                | 0.00%                                 | 95.07%   | 4.93%                                 | 4.93%   | 806                  | 772                  | 788                  |
|        | Phagi               | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 777                  | 751                  | 764                  |
| WR     | Aurangabad          | 0.00%                                 | 99.44%   | 0.56%                                 | 0.56%   | 804                  | 753                  | 778                  |
|        | Dharamjaigarh       | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 773                  | 757                  | 767                  |
|        | Gwalior             | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 783                  | 752                  | 767                  |
|        | Sholapur            | 0.00%                                 | 84.72%   | 14.24%                                | 14.24%  | 815                  | 763                  | 788                  |
|        | Vadodara            | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 791                  | 759                  | 778                  |
| SR     | Nellore PS          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 794                  | 774                  | 784                  |
|        | Raichur             | 0.00%                                 | 86.74%   | 13.26%                                | 13.26%  | 812                  | 773                  | 791                  |
|        | Thiruvalam          | 0.00%                                 | 73.77%   | 26.23%                                | 26.23%  | 807                  | 0                    | 795                  |
| ER     | Gaya                | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 754                  | 741                  | 750                  |
|        | Jharsuguda          | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 783                  | 767                  | 776                  |
|        | Ranchi              | 0.00%                                 | 100.00%  | 0.00%                                 | 0.00%   | 786                  | 769                  | 778                  |
| NER    | Balipara (400 kV)   | 0.00%                                 | 98.47%   | 1.53%                                 | 1.53%   | 427                  | 390                  | 407                  |
|        | Bongaigaon (400 kV) | 0.00%                                 | 99.79%   | 0.21%                                 | 0.21%   | 420                  | 388                  | 404                  |
|        | Silchar (400 kV)    | 0.00%                                 | 99.65%   | 0.35%                                 | 0.35%   | 421                  | 400                  | 412                  |

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