

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

**Date of Reporting: 17-May-15
System Reliability Indices Report for: 16-May-15**

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 | NEW-SR | 26 | 6.50 | 27.08 |
| 4 | ER-NER | 0 | 0.00 | 0.00 |

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 | 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 16-May-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% | 789 | 752 | 768 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 750 | 763 |
| | Bhiwani | 0.00% | 76.53% | 23.47% | 23.47% | 807 | 775 | 788 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 752 | 752 | 752 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 734 | 760 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 758 | 742 | 755 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 752 | 767 |
| | Sholapur | 0.00% | 97.29% | 2.71% | 2.71% | 805 | 762 | 784 |
| SR | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 797 | 797 |
| | Nellore PS | 0.00% | 46.74% | 0.00% | 0.00% | 800 | 789 | 798 |
| | Somanhalli (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 396 | 408 |
| | Salem (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 404 | 411 |
| ER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 755 | 760 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 756 | 769 |
| | Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 745 | 745 | 745 |
| | Binaguri (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 402 | 411 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 394 | 404 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 399 | 410 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 403 | 408 |

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