

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

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

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 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 1 | 0.25 | 1.04 |
| 5 | NER Import | 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 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 4 | NER Import | 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-Apr-2017

| 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% | 97.64% | 1.04% | 1.04% | 803 | 755 | 780 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 803 | 748 | 777 |
| | Moga | 0.00% | 97.36% | 0.00% | 0.00% | 807 | 764 | 785 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 761 | 783 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 759 | 779 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 768 | 775 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 757 | 781 |
| | Sholapur | 0.00% | 98.54% | 1.46% | 1.46% | 803 | 765 | 786 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 760 | 774 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 771 | 779 |
| | Raichur | 0.00% | 99.58% | 0.42% | 0.42% | 801 | 776 | 789 |
| | Thiruvalam | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 786 | 792 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 747 | 772 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 778 | 786 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 768 | 782 |
| NER | Balipara (400 kV) | 0.00% | 99.79% | 0.21% | 0.21% | 420 | 391 | 414 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 390 | 406 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 405 | 414 |

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