

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

Date of Reporting: **24-Mar-17**
System Reliability Indices Report for: **23-Mar-17**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 26 | 6.50 | 27.08 |
| 2 | ER-NR | 21 | 5.25 | 21.88 |
| 3 | Import of NR | 56 | 14.00 | 58.33 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 5 | 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 | 8 | 2.00 | 8.33 |
| 2 | ER-NR | 10 | 2.50 | 10.42 |
| 3 | Import of NR | 18 | 4.50 | 18.75 |
| 4 | 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 23-Mar-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% | 100.00% | 0.00% | 0.00% | 789 | 745 | 770 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 739 | 758 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 759 | 779 |
| | Phagi | 0.07% | 99.93% | 0.00% | 0.07% | 795 | 703 | 774 |
| WR | Aurangabad | 0.00% | 99.79% | 0.21% | 0.21% | 801 | 745 | 778 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 768 | 780 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 754 | 775 |
| | Sholapur | 0.00% | 98.66% | 1.34% | 1.34% | 802 | 746 | 782 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 743 | 772 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 758 | 771 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 753 | 779 |
| | Thiruvalam | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 768 | 784 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 755 | 768 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 778 | 788 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 772 | 782 |
| NER | Balipara (400 kV) | 0.00% | 99.86% | 0.14% | 0.14% | 421 | 394 | 405 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 394 | 404 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 401 | 409 |

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