

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **16-Jun-17**
System Reliability Indices Report for: **15-Jun-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 | 8 | 2.00 | 8.33 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 5 | ER-NER | 10 | 2.50 | 10.42 |

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 | ER-NER | 10 | 2.50 | 0.10 |

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 15-Jun-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 | 743 | 768 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 733 | 757 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 753 | 766 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 751 | 772 |
| WR | Aurangabad | 0.00% | 94.80% | 5.20% | 5.20% | 808 | 779 | 791 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 759 | 774 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 748 | 772 |
| | Sholapur | 0.00% | 77.15% | 22.85% | 22.85% | 810 | 782 | 796 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 763 | 777 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 771 | 781 |
| | Raichur | 0.00% | 97.15% | 2.85% | 2.85% | 803 | 776 | 792 |
| | Thiruvalam | 0.00% | 87.81% | 12.19% | 12.19% | 803 | 765 | 791 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 732 | 768 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 772 | 787 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 744 | 778 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 397 | 411 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 408 | 386 | 401 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 403 | 412 |

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