

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

Date of Reporting: **25-Jul-17**
System Reliability Indices Report for: **24-Jul-17**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 5 | 1.25 | 5.21 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 20 | 5.00 | 20.83 |
| 4 | NEW-SR | 15 | 3.75 | 15.63 |
| 5 | NER Import | 1 | 0.25 | 1.04 |

Percentage(%) of times (N-1) Criteria was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 4 | 1.00 | 4.17 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 7 | 1.75 | 7.29 |
| 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 24-Jul-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% | 794 | 763 | 776 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 746 | 763 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 758 | 771 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 771 | 781 |
| WR | Aurangabad | 0.00% | 98.33% | 1.67% | 1.67% | 804 | 768 | 789 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 776 | 783 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 766 | 782 |
| | Sholapur | 0.00% | 86.18% | 13.82% | 13.82% | 806 | 781 | 792 |
| | Vadodara | 0.00% | 85.07% | 14.93% | 14.93% | 806 | 776 | 790 |
| SR | Nellore PS | 0.00% | 99.65% | 0.35% | 0.35% | 801 | 771 | 782 |
| | Raichur | 0.00% | 82.85% | 17.15% | 17.15% | 808 | 774 | 789 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 756 | 774 |
| | Jharsuguda | 0.00% | 74.03% | 25.97% | 25.97% | 804 | 773 | 797 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 778 | 786 |
| NER | Balipara (400 kV) | 5.00% | 95.00% | 0.00% | 5.00% | 418 | 165 | 401 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 394 | 401 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 405 | 410 |

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