

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

Date of Reporting: **10-Aug-17**
System Reliability Indices Report for: **9-Aug-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 | 10 | 2.50 | 10.42 |
| 4 | NEW-SR | 5 | 1.25 | 5.21 |
| 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 | 2 | 0.50 | 2.08 |
| 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 09-Aug-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 | 751 | 772 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 742 | 760 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 765 | 770 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 758 | 778 |
| WR | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 0 | 778 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 775 | 780 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 754 | 775 |
| | Sholapur | 0.00% | 99.93% | 0.07% | 0.07% | 801 | 781 | 785 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 776 | 779 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 773 | 781 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 772 | 784 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 756 | 773 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 773 | 793 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 775 | 782 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 396 | 405 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 391 | 402 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 403 | 409 |

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