

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

Date of Reporting: **19-Aug-17**
System Reliability Indices Report for: **18-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 | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 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 18-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% | 790 | 752 | 773 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 738 | 758 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 770 | 770 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 751 | 773 |
| WR | Aurangabad | 0.00% | 96.25% | 3.75% | 3.75% | 802 | 746 | 785 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 776 | 784 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 758 | 779 |
| | Sholapur | 0.00% | 96.04% | 3.96% | 3.96% | 802 | 781 | 789 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 776 | 781 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 774 | 786 |
| | Raichur | 0.00% | 99.38% | 0.63% | 0.63% | 801 | 768 | 790 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 756 | 767 |
| | Jharsuguda | 0.00% | 87.64% | 12.36% | 12.36% | 808 | 773 | 797 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 775 | 786 |
| NER | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 396 | 405 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 390 | 400 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 403 | 409 |

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