

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

Date of Reporting: **4-Aug-17**
System Reliability Indices Report for: **3-Aug-17**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 1 | 0.25 | 1.04 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 3 | 0.75 | 3.13 |
| 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 | 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 03-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% | 792 | 751 | 774 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 737 | 760 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 762 | 776 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 765 | 781 |
| WR | Aurangabad | 0.00% | 99.93% | 0.07% | 0.07% | 800 | 764 | 786 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 778 | 783 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 759 | 778 |
| | Sholapur | 0.00% | 99.31% | 0.69% | 0.69% | 803 | 781 | 788 |
| SR | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 776 | 784 |
| | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 774 | 782 |
| ER | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 772 | 785 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 756 | 776 |
| | Jharsuguda | 0.00% | 97.15% | 2.85% | 2.85% | 801 | 773 | 796 |
| NER | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 777 | 786 |
| | Balipara (400 kV) | 0.60% | 99.23% | 0.17% | 0.77% | 420 | 147 | 407 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 407 | 390 | 398 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 399 | 407 |

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