

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

**System Reliability Indices Report for the week from
24-Jul-2017 to 30-Jul-2017**

Date: 4-Aug-2017

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 16 | 4.00 | 2.38 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 57 | 14.25 | 8.48 |
| 4 | NEW-SR | 89 | 22.25 | 13.24 |
| 5 | ER-NER | 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 | 8 | 2.00 | 1.19 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 13 | 3.25 | 1.93 |
| 4 | NEW-SR | 1 | 0.25 | 0.15 |
| 4 | ER-NER | 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 week from 24-Jul-2017 to 30-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 | 750 | 774 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 736 | 762 |
| | Moga | 0.00% | 99.99% | 0.01% | 0.01% | 889 | 749 | 768 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 756 | 778 |
| WR | Aurangabad | 0.00% | 97.43% | 2.57% | 2.57% | 806 | 753 | 788 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 774 | 782 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 755 | 778 |
| | Sholapur | 0.00% | 95.41% | 4.59% | 4.59% | 808 | 781 | 790 |
| | Vadodara | 0.00% | 94.17% | 5.83% | 5.83% | 806 | 776 | 789 |
| SR | Nellore PS | 0.00% | 99.90% | 0.10% | 0.10% | 802 | 757 | 780 |
| | Raichur | 0.00% | 97.08% | 2.92% | 2.92% | 808 | 763 | 786 |
| | Thiruvalam | 0.00% | 83.19% | 16.81% | 16.81% | 810 | 768 | 790 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 756 | 770 |
| | Jharsuguda | 0.00% | 92.19% | 7.81% | 7.81% | 804 | 773 | 795 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 771 | 785 |
| NER | Balipara (400 kV) | 0.71% | 97.09% | 2.20% | 2.91% | 431 | 155 | 405 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 390 | 400 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 401 | 409 |

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