

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **12-Jun-17**
System Reliability Indices Report for: **11-Jun-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 11-Jun-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 | 754 | 774 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 740 | 759 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 761 | 782 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 760 | 778 |
| WR | Aurangabad | 0.00% | 99.93% | 0.07% | 0.07% | 800 | 780 | 790 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 772 | 780 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 753 | 772 |
| | Sholapur | 0.00% | 62.08% | 37.92% | 37.92% | 812 | 788 | 799 |
| | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 758 | 774 |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 789 | 790 |
| | Raichur | 0.00% | 59.03% | 40.97% | 40.97% | 809 | 790 | 799 |
| | Thiruvalam | 0.00% | 9.31% | 90.69% | 90.69% | 811 | 797 | 804 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 749 | 767 |
| | Jharsuguda | 0.00% | 99.38% | 0.63% | 0.63% | 800 | 785 | 793 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 774 | 786 |
| NER | Balipara (400 kV) | 0.00% | 99.51% | 0.49% | 0.49% | 421 | 401 | 409 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 392 | 401 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 407 | 413 |

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