

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

Date of Reporting: **1-Jun-18**
System Reliability Indices Report for: **31-May-18**

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 | 17 | 4.25 | 17.71 |
| 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 | 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 31-May-2018

| 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% | 786 | 755 | 771 | |
| | Anpara-D | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 757 | 764 | |
| | Anta | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 766 | 776 | |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 757 | 774 | |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 761 | 776 | |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 750 | 765 | |
| | Greater Noida | 0.00% | 99.03% | 0.97% | 0.97% | 801 | 758 | 776 | |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 754 | 770 | |
| | Lalitpur | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 763 | 772 | |
| | Meerut | 0.00% | 99.79% | 0.00% | 0.00% | 800 | 760 | 775 | |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 754 | 767 | |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 764 | 775 | |
| | Varanasi | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 758 | 775 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 752 | 755 | | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 758 | 769 | |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 766 | 780 | |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 743 | 762 | |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 762 | 770 | |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 765 | 780 | |
| | Champa | 0.00% | 85.28% | 9.03% | 9.03% | 805 | 783 | 792 | |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 768 | 776 | |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 764 | 777 | |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 761 | 778 | |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 747 | 764 | |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 757 | 765 | |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 747 | 775 | |
| | Raigarh Pooling | 0.00% | 90.06% | 9.94% | 9.94% | 804 | 788 | 794 | |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 769 | 773 | |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 772 | 782 | |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 762 | 768 | |
| | Solapur | 0.00% | 95.21% | 4.79% | 4.79% | 803 | 771 | 789 | |
| | Tamnar | 0.00% | 83.33% | 16.67% | 16.67% | 804 | 790 | 796 | |
| | Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 755 | 762 | |
| | SR | Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 747 | 770 |
| Kurnool | | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 765 | 784 | |
| Nellore PS | | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 764 | 775 | |
| Raichur | | 0.00% | 99.93% | 0.07% | 0.07% | 801 | 770 | 788 | |
| Srikakulam | | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 775 | 782 | |
| Thiruvallam | | 0.00% | 80.28% | 19.72% | 19.72% | 808 | 774 | 790 | |
| Vemagiri | | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 772 | 780 | |
| ER | | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 771 | 778 |
| | | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 765 | 778 |
| | | Jharsuguda | 0.00% | 97.85% | 2.15% | 2.15% | 802 | 784 | 790 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 767 | 777 | |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 406 | 406 | 406 | |
| NER | Bongaigaon TPS (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 401 | 409 | |
| | Misa (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 426 | 399 | 409 | |
| | Biswanath Chariali (400 kV) | 0.00% | 99.93% | 0.07% | 0.07% | 427 | 396 | 405 | |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 402 | 409 | |

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