

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

**Date of Reporting: 19-Mar-17
System Reliability Indices Report for: 18-Mar-17**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 9 | 2.25 | 9.38 |
| 2 | ER-NR | 17 | 4.25 | 17.71 |
| 3 | Import of NR | 16 | 4.00 | 16.67 |
| 4 | NEW-SR | 1 | 0.25 | 1.04 |
| 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 | 5 | 1.25 | 5.21 |
| 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-Mar-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% | 791 | 755 | 774 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 762 | 767 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 757 | 770 |
| | Bhiwani | 0.00% | 84.44% | 15.56% | 15.56% | 805 | 766 | 786 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 752 | 759 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 745 | 761 |
| | Jhatikara | 0.00% | 87.85% | 12.15% | 12.15% | 807 | 763 | 785 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 745 | 771 |
| | Meerut | 0.00% | 77.57% | 19.17% | 19.17% | 811 | 766 | 788 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 760 | 789 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 758 | 775 |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 742 | 757 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 758 | 776 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 754 | 778 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 751 | 771 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 761 | 770 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 758 | 778 |
| | Champa | 0.00% | 79.31% | 15.49% | 15.49% | 806 | 782 | 794 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 770 | 782 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 777 | 777 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 761 | 780 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 752 | 772 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 764 | 785 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 760 | 771 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 747 | 776 |
| | Raigarh PS (Kotra) | 0.00% | 97.78% | 2.22% | 2.22% | 801 | 778 | 792 |
| | Raipur PS (Durg) | 0.00% | 97.71% | 2.29% | 2.29% | 801 | 773 | 785 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 756 | 767 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 755 | 773 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 763 | 777 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 760 | 768 |
| | Sholapur | 0.00% | 99.58% | 0.42% | 0.42% | 801 | 757 | 784 |
| Tamnara PS | 0.00% | 99.10% | 0.90% | 0.90% | 801 | 778 | 792 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 756 | 764 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 757 | 776 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 759 | 770 | |
| Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 765 | 783 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 766 | 776 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 763 | 783 |
| | Kurnool | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 768 | 786 |
| | Thiruvalam | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 776 | 788 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 775 | 786 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 758 | 770 |
| | Jharsuguda | 0.00% | 89.93% | 10.07% | 10.07% | 804 | 782 | 793 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 775 | 786 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 754 | 767 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 404 | 408 |
| | Balipara (400 kV) | 0.00% | 99.86% | 0.14% | 0.14% | 424 | 393 | 409 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 399 | 405 |
| | Misa (400 kV) | 0.00% | 67.29% | 32.71% | 32.71% | 425 | 401 | 416 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 394 | 408 |

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