

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

**Date of Reporting: 25-Nov-16
System Reliability Indices Report for: 24-Nov-16**

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 | 26 | 6.50 | 27.08 |
| 4 | NEW-SR | 11 | 2.75 | 11.46 |
| 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 | 1 | 0.25 | 1.04 |
| 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 24-Nov-2016

| 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% | 795 | 749 | 776 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 763 | 768 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 767 | 781 |
| | Bhiwani | 0.00% | 71.67% | 28.33% | 28.33% | 813 | 766 | 789 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 744 | 764 |
| | Jhatikara | 0.00% | 73.82% | 26.18% | 26.18% | 811 | 763 | 788 |
| | Lucknow | 0.00% | 89.65% | 10.35% | 10.35% | 804 | 776 | 789 |
| | Meerut | 0.00% | 88.13% | 10.07% | 10.07% | 812 | 754 | 784 |
| | Moga | 0.00% | 86.53% | 13.47% | 13.47% | 807 | 760 | 785 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 754 | 781 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 749 | 760 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 747 | 767 |
| | Aurangabad | 0.00% | 98.47% | 1.53% | 1.53% | 804 | 747 | 777 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 750 | 767 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 751 | 762 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 755 | 772 |
| | Champa | 0.00% | 97.92% | 2.08% | 2.08% | 803 | 780 | 791 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 758 | 769 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 746 | 773 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 752 | 777 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 750 | 770 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 757 | 772 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 742 | 756 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 748 | 775 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 776 | 786 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 769 | 779 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 757 | 764 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 754 | 769 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 751 | 771 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 752 | 761 |
| | Sholapur | 0.00% | 96.94% | 3.06% | 3.06% | 807 | 756 | 782 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 776 | 786 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 744 | 756 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 753 | 776 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 760 | 767 | |
| Wardha | 0.00% | 97.57% | 2.43% | 2.43% | 805 | 758 | 781 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 766 | 778 |
| | Raichur | 0.00% | 99.72% | 0.28% | 0.28% | 801 | 760 | 780 |
| | Kurnool | 0.00% | 98.96% | 1.04% | 1.04% | 802 | 767 | 784 |
| | Thiruvalam | 0.00% | 81.94% | 18.06% | 18.06% | 805 | 775 | 789 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 765 | 773 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 765 | 777 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 771 | 780 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 766 | 776 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 745 | 763 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 400 | 408 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 392 | 409 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 385 | 404 |
| | Misa (400 kV) | 0.00% | 61.04% | 38.96% | 38.96% | 425 | 398 | 415 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 390 | 408 |

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