

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

**Date of Reporting: 6-Dec-16
System Reliability Indices Report for: 5-Dec-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 | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 19 | 4.75 | 19.79 |
| 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 05-Dec-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% | 793 | 752 | 772 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 757 | 763 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 767 | 767 |
| | Bhiwani | 0.00% | 73.54% | 26.46% | 26.46% | 807 | 771 | 788 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 740 | 759 |
| | Jhatikara | 0.00% | 78.61% | 21.39% | 21.39% | 809 | 767 | 787 |
| | Lucknow | 0.00% | 96.60% | 3.40% | 3.40% | 808 | 767 | 783 |
| | Meerut | 0.00% | 93.06% | 6.53% | 6.53% | 811 | 767 | 785 |
| | Moga | 0.00% | 99.51% | 0.49% | 0.49% | 801 | 761 | 783 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 761 | 778 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 739 | 753 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 747 | 767 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 754 | 777 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 747 | 767 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 772 | 751 | 761 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 756 | 772 |
| | Champa | 0.00% | 99.31% | 0.00% | 0.00% | 800 | 780 | 790 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 758 | 769 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 759 | 775 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 759 | 776 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 755 | 772 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 757 | 772 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 742 | 757 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 734 | 771 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 776 | 785 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 769 | 776 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 756 | 764 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 754 | 769 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 754 | 770 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 770 | 752 | 761 |
| | Sholapur | 0.00% | 98.82% | 1.18% | 1.18% | 804 | 759 | 783 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 777 | 785 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 763 | 745 | 756 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 763 | 779 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 762 | 764 | |
| Wardha | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 756 | 778 | |
| SR | Neelore PS | 0.00% | 98.19% | 1.81% | 1.81% | 802 | 777 | 788 |
| | Raichur | 0.00% | 99.38% | 0.63% | 0.63% | 801 | 770 | 785 |
| | Kurnool | 0.00% | 84.03% | 15.97% | 15.97% | 807 | 776 | 791 |
| | Thiruvalam | 0.00% | 52.85% | 47.15% | 47.15% | 818 | 788 | 801 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 764 | 775 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 759 | 772 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 772 | 782 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 765 | 776 |
| Sasaram | 1.18% | 98.82% | 0.00% | 1.18% | 781 | 719 | 754 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 404 | 410 |
| | Balipara (400 kV) | 0.00% | 98.61% | 1.39% | 1.39% | 424 | 391 | 411 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 396 | 409 |
| | Misa (400 kV) | 0.00% | 46.81% | 53.19% | 53.19% | 430 | 400 | 419 |
| | Silchar (400 kV) | 0.00% | 81.11% | 18.89% | 18.89% | 422 | 402 | 415 |

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