

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

**Date of Reporting: 15-Sep-16
System Reliability Indices Report for: 14-Sep-16**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 41 | 10.25 | 42.71 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 29 | 7.25 | 30.21 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 5 | ER-NER | 24 | 6.00 | 25.00 |

Percentage(%) of times (N-1) Criteria was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 4 | 1.00 | 4.17 |
| 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 | ER-NER | 20 | 5.00 | 20.83 |

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 14-Sep-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 | 756 | 773 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 756 | 762 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 753 | 768 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 761 | 780 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 751 | 766 |
| | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 754 | 775 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 756 | 771 |
| | Meerut | 0.00% | 93.61% | 4.86% | 4.86% | 805 | 763 | 784 |
| | Moga | 0.00% | 83.75% | 16.25% | 16.25% | 807 | 773 | 791 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 758 | 773 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 740 | 750 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 746 | 763 |
| | Aurangabad | 0.00% | 99.10% | 0.90% | 0.90% | 802 | 757 | 783 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 748 | 764 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 759 | 765 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 763 | 774 |
| | Champa | 0.00% | 97.15% | 0.69% | 0.69% | 801 | 785 | 792 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 765 | 771 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 755 | 778 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 761 | 777 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 750 | 767 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 764 | 775 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 764 | 741 | 754 |
| | Pune | 0.00% | 95.90% | 0.00% | 0.00% | 800 | 750 | 779 |
| | Raigarh PS (Kotra) | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 784 | 790 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 781 | 783 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 761 | 767 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 762 | 772 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 764 | 778 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 758 | 763 |
| | Sholapur | 0.00% | 70.42% | 29.58% | 29.58% | 813 | 770 | 793 |
| Tamnara PS | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 785 | 791 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 762 | 746 | 754 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 758 | 778 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 765 | 769 | |
| Wardha | 0.00% | 98.33% | 1.67% | 1.67% | 802 | 769 | 787 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 773 | 784 |
| | Raichur | 0.00% | 76.46% | 23.54% | 23.54% | 808 | 775 | 792 |
| | Kurnool | 0.00% | 66.46% | 33.54% | 33.54% | 811 | 777 | 795 |
| | Thiruvalam | 0.00% | 86.21% | 13.79% | 13.79% | 809 | 783 | 794 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 765 | 774 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 752 | 768 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 775 | 785 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 767 | 779 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 743 | 761 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 410 | 404 | 408 |
| | Balipara (400 kV) | 0.00% | 99.44% | 0.56% | 0.56% | 420 | 408 | 415 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 412 | 401 | 407 |
| | Misa (400 kV) | 0.00% | 85.14% | 14.86% | 14.86% | 421 | 410 | 417 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 402 | 409 |

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