

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

**Date of Reporting: 2-Apr-16
System Reliability Indices Report for: 1-Apr-16**

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 | 28 | 7.00 | 29.17 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 5 | ER-NER | 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 | ER-NER | 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 01-Apr-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% | 785 | 750 | 770 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 762 | 764 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 760 | 764 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 769 | 789 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 756 | 758 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 735 | 754 |
| | Jhatikara | 0.00% | 88.13% | 11.88% | 11.88% | 801 | 767 | 789 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 765 | 774 |
| | Meerut | 0.00% | 78.47% | 15.97% | 15.97% | 807 | 770 | 792 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 768 | 787 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 757 | 763 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 741 | 751 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 747 | 747 | 747 |
| | Aurangabad | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 760 | 773 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 788 | 756 | 763 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 768 | 750 | 759 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 754 | 768 |
| | Champa | 0.00% | 35.90% | 63.75% | 63.75% | 817 | 794 | 802 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 753 | 766 |
| | Dhule (BDTCL) | 0.00% | 99.65% | 0.35% | 0.35% | 804 | 759 | 780 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 754 | 771 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 747 | 763 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 756 | 771 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 742 | 757 |
| | Pune | 0.00% | 99.58% | 0.00% | 0.00% | 800 | 752 | 779 |
| | Raigarh PS (Kotra) | 0.00% | 69.10% | 30.90% | 30.90% | 809 | 790 | 798 |
| | Raipur PS (Durg) | 0.00% | 86.39% | 13.61% | 13.61% | 804 | 786 | 794 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 758 | 763 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 754 | 765 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 755 | 773 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 752 | 760 |
| | Sholapur | 0.00% | 82.22% | 11.39% | 11.39% | 818 | 759 | 788 |
| Tamnara PS | 0.00% | 69.65% | 30.35% | 30.35% | 810 | 791 | 798 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 749 | 749 | 749 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 760 | 777 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 762 | 767 | |
| Wardha | 0.00% | 99.72% | 0.28% | 0.28% | 804 | 762 | 783 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 768 | 783 |
| | Raichur | 0.00% | 96.46% | 3.54% | 3.54% | 812 | 762 | 788 |
| | Kurnool | 0.00% | 86.88% | 13.13% | 13.13% | 813 | 769 | 792 |
| | Thiruvalam | 0.00% | 56.74% | 43.26% | 43.26% | 812 | 776 | 797 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 779 | 763 | 771 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 753 | 765 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 758 | 777 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 767 | 779 |
| Sasaram | 0.42% | 99.58% | 0.00% | 0.42% | 763 | 728 | 739 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 404 | 410 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 420 | 391 | 408 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 396 | 410 |
| | Misa (400 kV) | 0.00% | 93.06% | 6.94% | 6.94% | 431 | 397 | 413 |
| | Silchar (400 kV) | 0.00% | 99.03% | 0.97% | 0.97% | 421 | 403 | 414 |

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