

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

**Date of Reporting: 3-Jun-16
System Reliability Indices Report for: 2-Jun-16**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|--------------|-----------------|----------------------------------|---------------------------------|-------------------|
| 1 | WR-NR | 29 | 7.25 | 30.21 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 49 | 12.25 | 51.04 |
| 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 | 2 | 0.50 | 2.08 |
| 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 02-Jun-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% | 782 | 742 | 763 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 756 | 762 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 739 | 759 |
| | Bhiwani | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 747 | 768 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 759 | 759 | 759 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 732 | 753 |
| | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 742 | 761 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 735 | 761 |
| | Meerut | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 747 | 770 |
| | Moga | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 747 | 767 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 737 | 761 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 732 | 751 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 753 | 772 |
| | Aurangabad | 0.00% | 94.65% | 5.35% | 5.35% | 805 | 756 | 782 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 745 | 766 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 757 | 765 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 750 | 767 |
| | Champa | 0.00% | 63.89% | 32.22% | 32.22% | 808 | 786 | 798 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 784 | 764 | 774 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 759 | 767 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 747 | 769 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 740 | 764 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 754 | 771 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 751 | 767 |
| | Pune | 0.00% | 97.36% | 0.00% | 0.00% | 800 | 743 | 780 |
| | Raigarh PS (Kotra) | 0.00% | 99.86% | 0.14% | 0.14% | 800 | 781 | 790 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 772 | 782 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 756 | 762 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 752 | 765 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 759 | 774 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 755 | 764 |
| | Sholapur | 0.00% | 84.44% | 13.89% | 13.89% | 814 | 761 | 791 |
| Tamnara PS | 0.00% | 99.93% | 0.07% | 0.07% | 800 | 782 | 790 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 765 | 765 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 748 | 776 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 771 | 758 | 765 | |
| Wardha | 0.00% | 94.03% | 5.97% | 5.97% | 807 | 768 | 785 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 766 | 779 |
| | Raichur | 0.00% | 78.89% | 21.11% | 21.11% | 813 | 766 | 791 |
| | Kurnool | 0.00% | 74.93% | 25.07% | 25.07% | 816 | 771 | 794 |
| | Thiruvalam | 0.00% | 85.08% | 14.92% | 14.92% | 809 | 767 | 788 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 752 | 768 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 744 | 759 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 773 | 781 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 774 | 783 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 736 | 758 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 403 | 406 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 392 | 404 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 397 | 405 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 395 | 406 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 402 | 408 |

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