

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **12-Aug-16**
System Reliability Indices Report for: **11-Aug-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 | 9 | 2.25 | 9.38 |
| 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 | 1 | 0.25 | 1.04 |
| 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 11-Aug-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% | 98.26% | 0.56% | 0.56% | 802 | 749 | 777 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 758 | 769 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 759 | 776 |
| | Bhiwani | 0.00% | 81.81% | 18.19% | 18.19% | 805 | 777 | 785 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 757 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 747 | 770 |
| | Jhatikara | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 764 | 774 |
| | Lucknow | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 760 | 776 |
| | Meerut | 0.00% | 71.32% | 27.36% | 27.36% | 814 | 772 | 792 |
| | Moga | 0.00% | 89.79% | 10.21% | 10.21% | 805 | 767 | 784 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 758 | 782 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 746 | 762 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 755 | 776 |
| | Aurangabad | 0.00% | 99.51% | 0.49% | 0.49% | 803 | 749 | 786 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 755 | 772 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 762 | 771 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 754 | 776 |
| | Champa | 0.00% | 49.24% | 39.72% | 39.72% | 808 | 789 | 800 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 771 | 780 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 747 | 783 |
| | Gwalior | 0.00% | 96.11% | 3.89% | 3.89% | 802 | 750 | 779 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 756 | 773 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 763 | 780 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 769 | 741 | 759 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 744 | 765 |
| | Raigarh PS (Kotra) | 0.00% | 98.47% | 1.53% | 1.53% | 801 | 789 | 797 |
| | Raipur PS (Durg) | 0.00% | 77.78% | 22.22% | 22.22% | 802 | 783 | 792 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 760 | 773 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 757 | 778 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 772 | 785 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 775 | 763 | 770 |
| | Sholapur | 0.00% | 84.31% | 6.94% | 6.94% | 813 | 785 | 791 |
| Tamnara PS | 0.00% | 97.36% | 2.64% | 2.64% | 802 | 787 | 795 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 765 | 765 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 773 | 785 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 782 | 760 | 775 | |
| Wardha | 0.00% | 94.44% | 5.56% | 5.56% | 808 | 764 | 789 | |
| SR | Nellore PS | 0.00% | 98.68% | 1.32% | 1.32% | 803 | 765 | 785 |
| | Raichur | 0.00% | 96.67% | 3.33% | 3.33% | 809 | 755 | 789 |
| | Kurnool | 0.00% | 89.58% | 10.42% | 10.42% | 810 | 764 | 792 |
| | Thiruvalam | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 772 | 789 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 775 | 786 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 762 | 777 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 781 | 793 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 775 | 788 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 733 | 753 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 409 | 401 | 405 |
| | Balipara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 417 | 393 | 406 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 395 | 403 |
| | Misa (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 415 | 400 | 408 |
| | Silchar (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 411 | 400 | 408 |

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