

POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI

Date of Reporting: **29-Dec-16**
System Reliability Indices Report for: **28-Dec-16**

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 5 | 1.25 | 5.21 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 11 | 2.75 | 11.46 |
| 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 28-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% | 790 | 755 | 773 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 760 | 765 |
| | Ballia | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 763 | 776 |
| | Bhiwani | 0.00% | 80.56% | 19.44% | 19.44% | 807 | 770 | 789 |
| | Bareilly | 0.00% | 100.00% | 0.00% | 0.00% | 760 | 760 | 760 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 774 | 745 | 760 |
| | Jhatikara | 0.00% | 82.22% | 17.78% | 17.78% | 806 | 769 | 787 |
| | Lucknow | 0.00% | 92.22% | 7.78% | 7.78% | 803 | 773 | 786 |
| | Meerut | 0.00% | 93.33% | 4.24% | 4.24% | 807 | 766 | 787 |
| | Moga | 0.00% | 99.86% | 0.14% | 0.14% | 800 | 767 | 783 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 762 | 779 | |
| Unnao | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 743 | 757 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 746 | 769 |
| | Aurangabad | 0.00% | 99.51% | 0.49% | 0.49% | 802 | 761 | 782 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 749 | 772 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 754 | 766 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 756 | 776 |
| | Champa | 0.00% | 82.30% | 12.51% | 12.51% | 806 | 779 | 792 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 766 | 782 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 777 | 777 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 757 | 777 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 753 | 774 |
| | Jabalpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 781 | 781 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 773 | 737 | 758 |
| | Pune | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 755 | 772 |
| | Raigarh PS (Kotra) | 0.00% | 96.81% | 3.19% | 3.19% | 803 | 778 | 789 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 770 | 786 |
| | Sasan | 0.00% | 100.00% | 0.00% | 0.00% | 776 | 756 | 764 |
| | Satna | 0.00% | 100.00% | 0.00% | 0.00% | 786 | 754 | 769 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 760 | 777 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 754 | 764 |
| | Sholapur | 0.00% | 94.10% | 5.90% | 5.90% | 809 | 768 | 791 |
| Tamnara PS | 0.00% | 98.64% | 1.36% | 1.36% | 802 | 778 | 790 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 767 | 742 | 757 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 765 | 781 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 777 | 759 | 766 | |
| Wardha | 0.00% | 98.82% | 1.18% | 1.18% | 804 | 768 | 786 | |
| SR | Nellore PS | 0.00% | 88.82% | 11.18% | 11.18% | 805 | 778 | 791 |
| | Raichur | 0.00% | 99.24% | 0.76% | 0.76% | 803 | 767 | 786 |
| | Kurnool | 0.00% | 88.47% | 11.53% | 11.53% | 806 | 773 | 791 |
| | Thiruvalam | 0.00% | 60.35% | 39.65% | 39.65% | 815 | 789 | 800 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 775 | 786 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 789 | 761 | 774 |
| | Jharsuguda | 0.00% | 88.82% | 11.18% | 11.18% | 806 | 775 | 792 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 768 | 783 |
| Sasaram | 0.00% | 100.00% | 0.00% | 0.00% | 766 | 734 | 753 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 414 | 405 | 409 |
| | Balipara (400 kV) | 0.00% | 99.72% | 0.28% | 0.28% | 421 | 399 | 410 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 399 | 409 |
| | Misa (400 kV) | 0.00% | 63.26% | 36.74% | 36.74% | 426 | 407 | 418 |
| | Silchar (400 kV) | 0.00% | 80.42% | 19.58% | 19.58% | 422 | 404 | 414 |

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