

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

**System Reliability Indices Report for the week from
23-May-2016 to 29-May-2016**

Date: 3-Jun-2016

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 50 | 12.50 | 7.44 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 238 | 59.50 | 35.42 |
| 4 | NEW-SR | 30 | 7.50 | 4.46 |
| 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 | 9 | 2.25 | 1.34 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 82 | 20.50 | 12.20 |
| 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 week from 23-May-2016 to 29-May-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% | 98.85% | 0.88% | 0.88% | 808 | 735 | 770 |
| | Anpara-C | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 752 | 768 |
| | Ballia | 0.00% | 99.98% | 0.02% | 0.02% | 800 | 736 | 767 |
| | Bhiwani | 0.00% | 94.97% | 5.03% | 5.03% | 810 | 748 | 777 |
| | Bareilly | 0.30% | 99.70% | 0.00% | 0.30% | 760 | 723 | 754 |
| | Fatehpur | 0.00% | 99.97% | 0.00% | 0.00% | 791 | 728 | 757 |
| | Jhatikara | 0.00% | 99.24% | 0.76% | 0.76% | 804 | 738 | 770 |
| | Lucknow | 0.00% | 97.85% | 2.15% | 2.15% | 808 | 735 | 768 |
| | Meerut | 0.00% | 91.90% | 7.45% | 7.45% | 818 | 745 | 779 |
| | Moga | 0.00% | 98.41% | 1.59% | 1.59% | 808 | 744 | 774 |
| Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 731 | 762 | |
| Unnao | 0.54% | 99.46% | 0.00% | 0.54% | 791 | 720 | 756 | |
| WR | Akola | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 736 | 762 |
| | Aurangabad | 0.00% | 98.75% | 1.25% | 1.25% | 805 | 746 | 779 |
| | Bhopal (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 794 | 740 | 764 |
| | Bilaspur | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 749 | 762 |
| | Bina | 0.00% | 100.00% | 0.00% | 0.00% | 795 | 736 | 769 |
| | Champa | 0.00% | 93.61% | 5.10% | 5.10% | 814 | 763 | 788 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 749 | 768 |
| | Dhule (BDTCL) | 0.00% | 100.00% | 0.00% | 0.00% | 793 | 751 | 772 |
| | Gwalior | 0.00% | 99.67% | 0.33% | 0.33% | 803 | 737 | 773 |
| | Indore | 0.00% | 100.00% | 0.00% | 0.00% | 785 | 738 | 763 |
| | Jabalpur | 0.01% | 99.99% | 0.00% | 0.01% | 799 | 718 | 771 |
| | Koradi | 0.00% | 100.00% | 0.00% | 0.00% | 783 | 730 | 753 |
| | Pune | 0.00% | 98.79% | 0.00% | 0.00% | 800 | 743 | 775 |
| | Raigarh PS (Kotra) | 0.00% | 96.51% | 3.49% | 3.49% | 808 | 776 | 788 |
| | Raipur PS (Durg) | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 759 | 778 |
| | Sasan | 0.01% | 99.99% | 0.00% | 0.01% | 787 | 724 | 769 |
| | Satna | 0.00% | 99.85% | 0.00% | 0.00% | 800 | 745 | 773 |
| | Seoni | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 750 | 773 |
| | Sipat | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 748 | 762 |
| | Sholapur | 0.01% | 83.33% | 14.12% | 14.13% | 814 | 708 | 789 |
| Tamnara PS | 0.00% | 96.33% | 3.67% | 3.67% | 808 | 777 | 788 | |
| Tirora | 0.00% | 100.00% | 0.00% | 0.00% | 765 | 765 | 765 | |
| Vadodara | 0.00% | 100.00% | 0.00% | 0.00% | 792 | 746 | 772 | |
| Vindhyachal PS | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 756 | 772 | |
| Wardha | 0.00% | 98.79% | 1.21% | 1.21% | 807 | 751 | 779 | |
| SR | Nellore PS | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 760 | 781 |
| | Raichur | 0.00% | 84.97% | 15.03% | 15.03% | 810 | 761 | 789 |
| | Kurnool | 0.00% | 76.08% | 23.92% | 23.92% | 814 | 763 | 793 |
| | Thiruvalam | 0.00% | 85.54% | 14.46% | 14.46% | 809 | 766 | 790 |
| ER | Angul | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 752 | 767 |
| | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 796 | 729 | 766 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 800 | 762 | 779 |
| | Ranchi | 0.00% | 99.31% | 0.69% | 0.69% | 803 | 759 | 781 |
| Sasaram | 5.35% | 94.65% | 0.00% | 5.35% | 795 | 714 | 753 | |
| NER | Azara (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 413 | 401 | 407 |
| | Balipara (400 kV) | 0.00% | 95.80% | 4.20% | 4.20% | 426 | 391 | 407 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 390 | 405 |
| | Misa (400 kV) | 0.00% | 92.49% | 7.51% | 7.51% | 427 | 393 | 409 |
| | Silchar (400 kV) | 0.00% | 99.92% | 0.08% | 0.08% | 421 | 400 | 410 |

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