

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

**System Reliability Indices Report for the week from
20-Apr-2015 to 26-Apr-2015**

Date: 29-Apr-2015

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 145 | 36.25 | 21.58 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 128 | 32.00 | 19.05 |
| 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 week from 20-Apr-2015 to 26-Apr-2015

| 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% | 798 | 0 | 772 |
| | Fatehpur | 0.02% | 99.95% | 0.05% | 0.07% | 802 | 0 | 766 |
| | Moga | 0.00% | 93.54% | 6.46% | 6.46% | 812 | 0 | 785 |
| | Phagi | 0.00% | 100.00% | 0.00% | 0.00% | 787 | 0 | 761 |
| WR | Aurangabad | 0.10% | 99.90% | 0.00% | 0.10% | 796 | 720 | 761 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 778 | 750 | 763 |
| | Gwalior | 0.00% | 100.00% | 0.00% | 0.00% | 791 | 742 | 769 |
| | Sholapur | 0.00% | 94.59% | 4.03% | 4.03% | 812 | 745 | 783 |
| | Vadodara | 0.00% | 96.92% | 0.00% | 0.00% | 800 | 755 | 784 |
| SR | Nellore PS | 0.00% | 98.03% | 0.00% | 0.00% | 800 | 0 | 784 |
| | Raichur | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 382 | 400 |
| | Thiruvalam | 0.00% | 100.00% | 0.00% | 0.00% | 416 | 392 | 404 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 780 | 746 | 768 |
| | Jharsuguda | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 747 | 768 |
| | Ranchi | 0.03% | 99.97% | 0.00% | 0.03% | 794 | 728 | 768 |
| NER | Balipara (400 kV) | 0.00% | 92.49% | 7.51% | 7.51% | 431 | 401 | 413 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 419 | 383 | 401 |
| | Silchar (400 kV) | 0.00% | 99.81% | 0.00% | 0.00% | 420 | 386 | 404 |

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