

**GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

Date: 05-Mar-2024

System Reliability Indices Report for the month of February 2024

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 | 1 | 0.25 | 0.04 |
| 3 | Import of NR | 0 | 0.00 | 0.00 |
| 4 | NEW-SR | 0 | 0.00 | 0.00 |
| 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.

FREQUENCY DEVIATION INDEX FOR FEBRUARY 2024

Date of reporting:

05-Mar-24

| Date | Percentage of time frequency is | | | Freq Deviation Index* (FDI) | No. of hours frequency is outside 49.95-50.05 Hz | Average Frequency (Hz) |
|----------------------|---------------------------------|------------------|--------------|-----------------------------|--|------------------------|
| | <49.90 Hz | 49.90 - 50.05 Hz | >50.05 Hz | | | |
| 01-Feb-24 | 4.02 | 72.04 | 23.95 | 27.96 | 6:42 | 50.01 |
| 02-Feb-24 | 6.68 | 74.77 | 18.55 | 25.23 | 6:03 | 50.00 |
| 03-Feb-24 | 12.97 | 69.72 | 17.30 | 30.28 | 7:16 | 49.99 |
| 04-Feb-24 | 10.20 | 70.02 | 19.78 | 29.98 | 7:11 | 49.99 |
| 05-Feb-24 | 5.45 | 60.50 | 34.05 | 39.50 | 9:28 | 50.02 |
| 06-Feb-24 | 6.30 | 77.75 | 15.95 | 22.25 | 5:20 | 49.99 |
| 07-Feb-24 | 3.10 | 75.44 | 21.46 | 24.56 | 5:53 | 50.01 |
| 08-Feb-24 | 5.94 | 73.84 | 20.22 | 26.16 | 6:16 | 50.00 |
| 09-Feb-24 | 7.81 | 74.66 | 17.52 | 25.34 | 6:04 | 49.99 |
| 10-Feb-24 | 2.42 | 79.53 | 18.06 | 20.47 | 4:54 | 50.00 |
| 11-Feb-24 | 2.18 | 82.87 | 14.95 | 17.13 | 4:06 | 50.00 |
| 12-Feb-24 | 6.50 | 71.12 | 22.37 | 28.88 | 6:55 | 50.01 |
| 13-Feb-24 | 4.39 | 71.40 | 24.21 | 28.60 | 6:51 | 50.01 |
| 14-Feb-24 | 2.94 | 76.04 | 21.02 | 23.96 | 5:45 | 50.01 |
| 15-Feb-24 | 3.75 | 72.49 | 23.76 | 27.51 | 6:36 | 50.01 |
| 16-Feb-24 | 3.32 | 79.50 | 17.18 | 20.50 | 4:55 | 50.00 |
| 17-Feb-24 | 10.17 | 72.86 | 16.97 | 27.14 | 6:30 | 49.99 |
| 18-Feb-24 | 8.89 | 65.01 | 26.10 | 34.99 | 8:23 | 50.01 |
| 19-Feb-24 | 7.71 | 62.62 | 29.68 | 37.38 | 8:58 | 50.01 |
| 20-Feb-24 | 17.25 | 73.18 | 9.57 | 26.82 | 6:26 | 49.96 |
| 21-Feb-24 | 9.79 | 78.39 | 11.82 | 21.61 | 5:11 | 49.99 |
| 22-Feb-24 | 6.23 | 80.53 | 13.24 | 19.47 | 4:40 | 49.99 |
| 23-Feb-24 | 9.47 | 79.02 | 11.52 | 20.98 | 5:02 | 49.99 |
| 24-Feb-24 | 8.28 | 73.23 | 18.50 | 26.77 | 6:25 | 50.00 |
| 25-Feb-24 | 3.51 | 75.20 | 21.30 | 24.80 | 5:57 | 50.01 |
| 26-Feb-24 | 4.68 | 70.37 | 24.95 | 29.63 | 7:06 | 50.01 |
| 27-Feb-24 | 1.56 | 79.56 | 18.88 | 20.44 | 4:54 | 50.01 |
| 28-Feb-24 | 2.62 | 78.75 | 18.63 | 21.25 | 5:06 | 50.01 |
| 29-Feb-24 | 2.80 | 77.40 | 19.80 | 22.60 | 5:25 | 50.01 |
| February 2024 | 6.24 | 74.06 | 19.70 | 25.94 | 180:31 | 50.00 |

*FDI is defined as percentage of time for which frequency is outside IEGC band (49.90-50.05 Hz)

Monthly Angular spread w.r.to Vindhyachal_Feb-2024

AGRA_PG ALIPU_PG BACHU_PG BONGA_PG CHDPR_MH DURG4_WB FARAK_PG GJWKA_PG
HOSUR_PG KALW4_MH KISNP_PG KOLAR_PG KOTA_PG KSTPS_GS KZKDE_PG MOGA_PG
PATNA_PG PURNW_PG SILCR_PG TALCH_PG TCHRN_PG VINDP_PG

