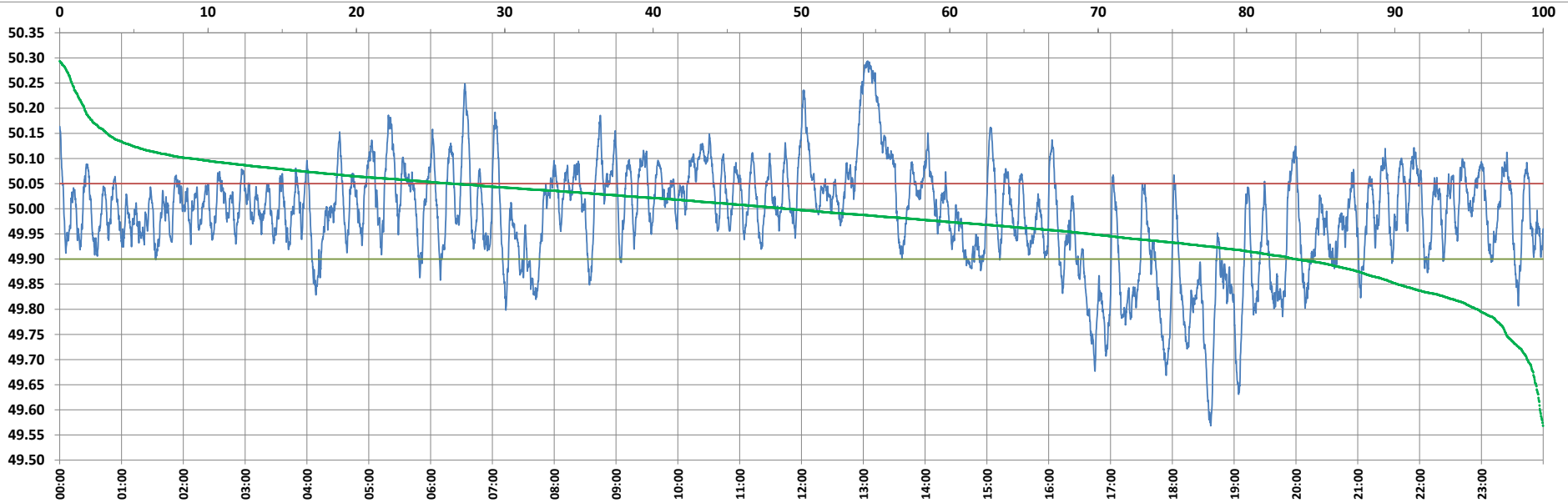


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 10-Jan-2023 (Tuesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <49.7 | <49.90 | <49.97 | 49.7-49.8 | 49.8-49.9 | 49.9-50.0 | 50.0-50.1 | 50.1-50.2 | 49.90-50.05 | 49.7-50.2 | 49.97-50.03 | 50.05-50.1 | >50 | >50.03 | >50.05 | >50.2 | <49.95 | 49.95-50.05 | 49.90-49.95 |
| 1.08 | 16.76 | 38.31 | 3.37 | 12.31 | 34.27 | 40.09 | 7.22 | 56.75 | 97.27 | 25.67 | 17.62 | 48.97 | 36.02 | 26.49 | 1.66 | 30.58 | 42.93 | 13.82 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.988 | Frequency Variation Index : 0.1033 | Standard Deviation : 0.1009 | Mileage: 50.3 | FDI: 43.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.294 | 13:04:20 |
| Min | 49.568 | 18:37:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.264 | 13:15:00 |
| Min | 49.722 | 18:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 116 |
| below 49.97 Hz | 114 |
| above 50.00 Hz | 109 |
| below 50.00 Hz | 108 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:50 |
| above 50.03 | 0:04:28 |

| | |
|---|----------|
| No. of hours freq outside 49.9-50.05 Hz | 10:22:50 |
|---|----------|

Source : AGRA 10 Sec. (8640 samples)