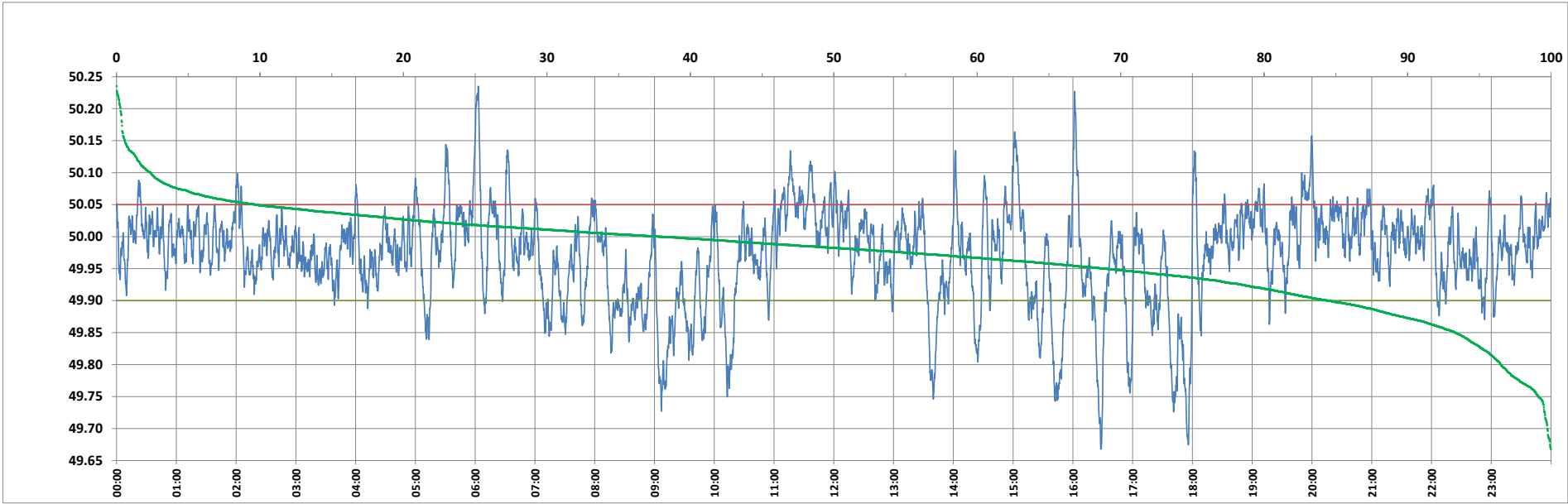


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Dec-2023 (Friday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.24 | 15.51 | 41.88 | 3.25 | 12.01 | 46.63 | 35.49 | 2.09 | 74.73 | 99.48 | 39.39 | 7.38 | 37.86 | 18.74 | 9.76 | 0.28 | 31.08 | 59.17 | 15.57 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.971 | Frequency Variation Index : 0.0635 | Standard Deviation : 0.0746 | Mileage: 52.5 | FDI: 25.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.235 | 6:03:00 |
| Min | 49.668 | 16:28:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.067 | 11:30:00 |
| Min | 49.799 | 18:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 127 |
| below 49.97 Hz | 148 |
| above 50.00 Hz | 201 |
| below 50.00 Hz | 200 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:04 |
| above 50.03 | 0:02:07 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:03:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)