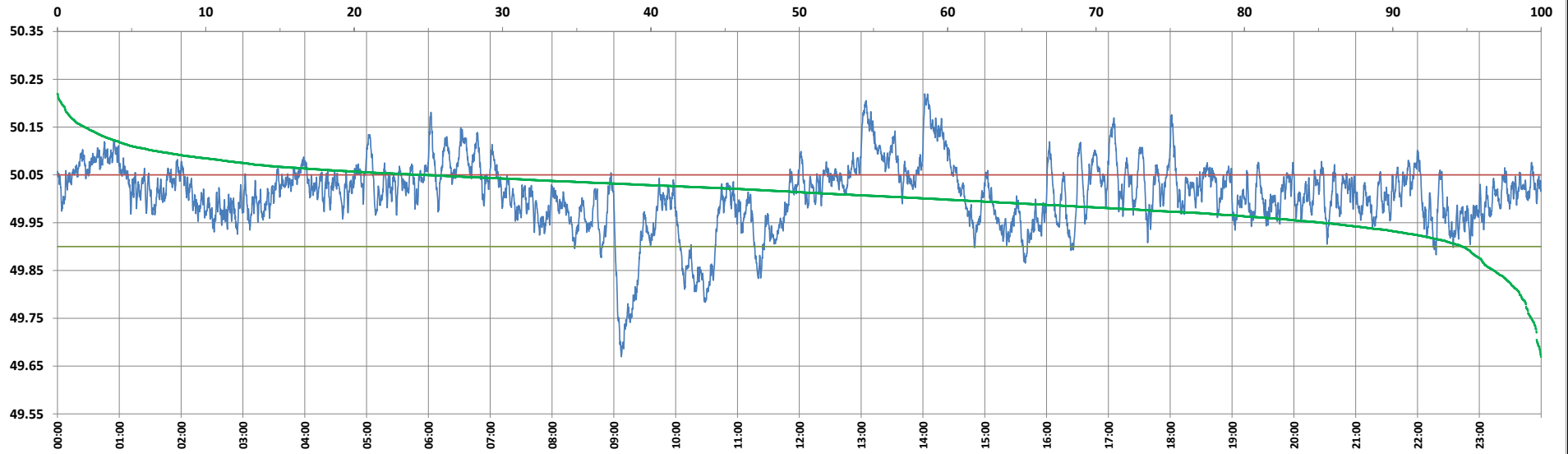


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 12-Jan-2025 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.25 | 5.35 | 22.92 | 1.19 | 3.90 | 35.68 | 52.31 | 6.38 | 69.99 | 99.47 | 38.21 | 18.01 | 58.97 | 38.88 | 24.66 | 0.28 | 14.77 | 60.57 | 9.42 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.008 | Frequency Variation Index : 0.0489 | Standard Deviation : 0.0695 | Mileage: 47.5 | FDI: 30.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.220 14:01:40 |
| Min | 49.670 9:07:10 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.169 14:15:00 |
| Min | 49.763 9:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 172 |
| below 49.97 Hz | 127 |
| above 50.00 Hz | 166 |
| below 50.00 Hz | 165 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:36 |
| above 50.03 | 0:03:15 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:12:10 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)