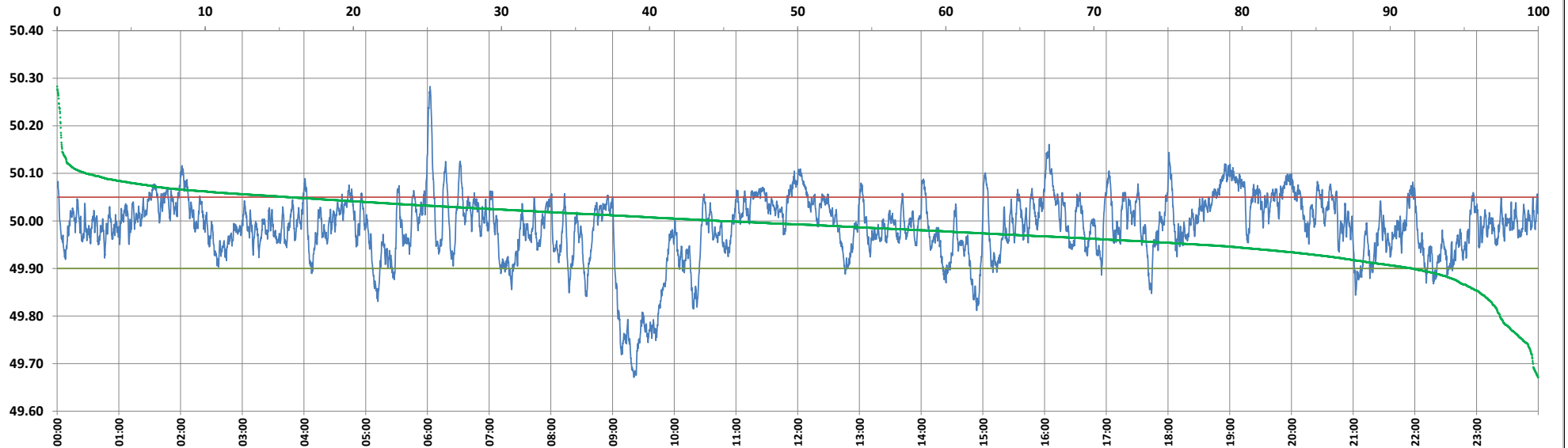


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Dec-2024 (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 |
| 0.35 | 8.52 | 35.01 | 2.25 | 5.93 | 46.78 | 42.75 | 1.70 | 75.90 | 99.41 | 38.69 | 13.63 | 44.70 | 26.30 | 15.58 | 0.24 | 22.87 | 61.55 | 14.35 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.987 | Frequency Variation Index : 0.0500 | Standard Deviation : 0.0695 | Mileage: 47.0 | FDI: 24.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|---------|
| Max | 50.283 | 6:02:30 |
| Min | 49.671 | 9:20:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.087 | 19:15:00 |
| Min | 49.730 | 9:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 137 |
| below 49.97 Hz | 160 |
| above 50.00 Hz | 179 |
| below 50.00 Hz | 178 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:09 |
| above 50.03 | 0:02:46 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:47:00 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)