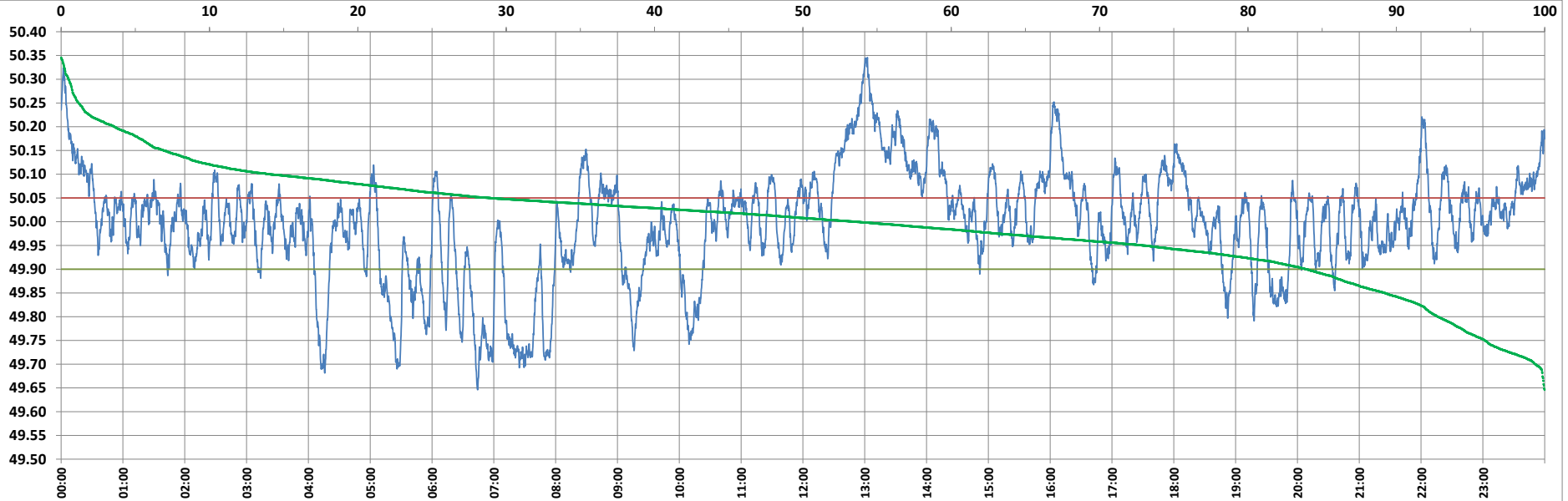


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 12-Dec-2022 (Monday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.63 | 16.09 | 34.83 | 6.56 | 8.90 | 30.34 | 39.50 | 10.47 | 54.98 | 95.78 | 25.89 | 14.86 | 53.58 | 39.28 | 28.94 | 3.60 | 27.04 | 44.03 | 10.95 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.997 | Frequency Variation Index : 0.1272 | Standard Deviation : 0.1130 | Mileage: 49.8 | FDI: 45.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.346 | 13:02:30 |
| Min | 49.646 | 6:44:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.259 | 13:15:00 |
| Min | 49.728 | 7:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 116 |
| below 49.97 Hz | 112 |
| above 50.00 Hz | 113 |
| below 50.00 Hz | 112 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:29 |
| above 50.03 | 0:04:53 |

| | |
|---|----------|
| No. of hours freq outside 49.9-50.05 Hz | 10:48:20 |
|---|----------|

Source : CUDAPPAH 10 Sec. (8640 samples)