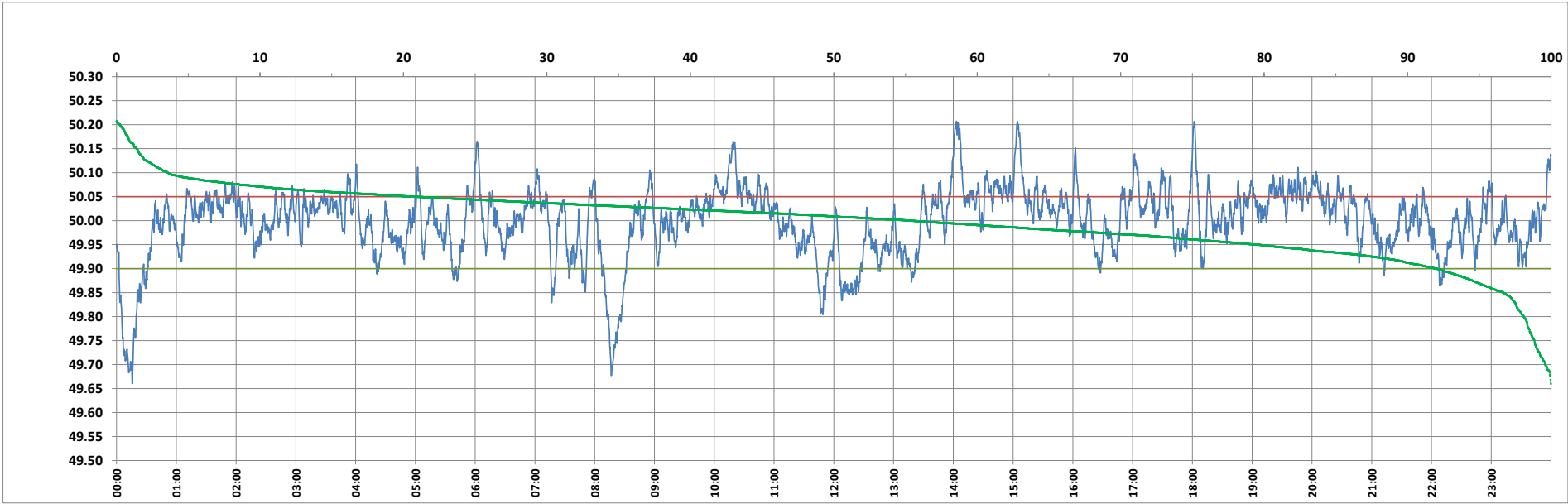


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-Oct-2023 (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 |
| 0.39 | 7.97 | 28.92 | 1.50 | 6.08 | 36.64 | 51.82 | 3.30 | 71.26 | 99.34 | 36.09 | 17.20 | 55.38 | 34.99 | 20.76 | 0.27 | 20.51 | 58.73 | 12.53 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.998 | Frequency Variation Index : 0.0520 | Standard Deviation : 0.0722 | Mileage: 44.6 | FDI: 28.7 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.207 | 14:03:10 |
| Min | 49.660 | 0:15:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.124 | 14:15:00 |
| Min | 49.767 | 8:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 168 |
| below 49.97 Hz | 108 |
| above 50.00 Hz | 141 |
| below 50.00 Hz | 141 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:51 |
| above 50.03 | 0:03:00 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:53:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)