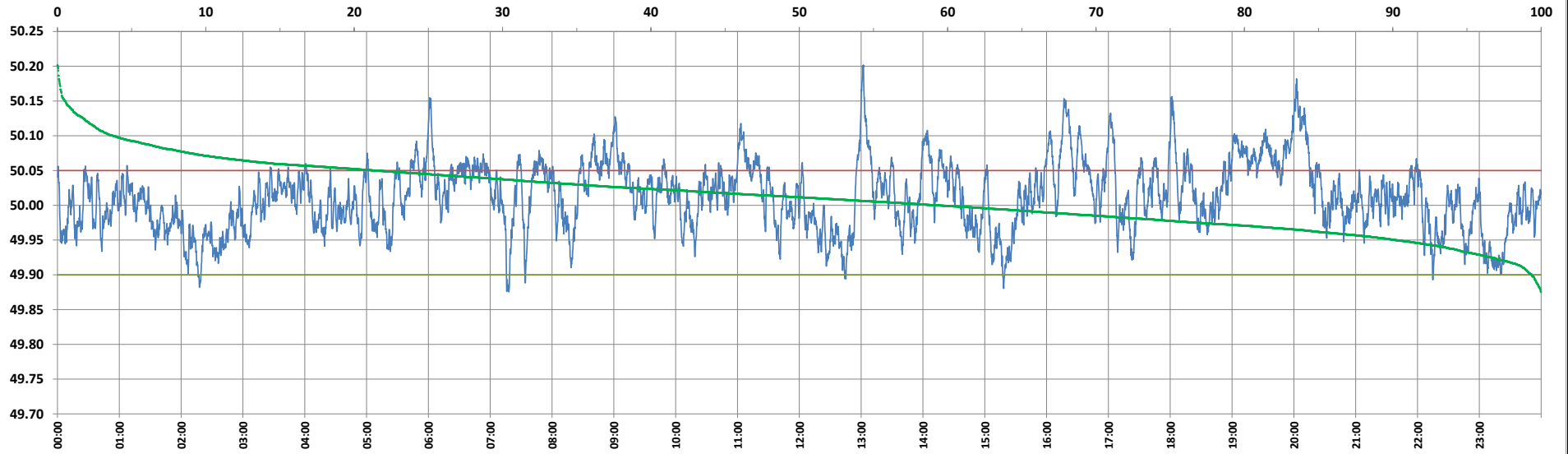


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Oct-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 |
| 0.00 | 0.64 | 19.41 | 0.00 | 0.64 | 40.03 | 55.56 | 3.74 | 77.89 | 99.97 | 45.61 | 17.70 | 59.33 | 34.98 | 21.47 | 0.03 | 9.79 | 68.74 | 9.16 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.012 | Frequency Variation Index : 0.0249 | Standard Deviation : 0.0485 | Mileage: 42.0 | FDI: 22.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.202 13:02:10 |
| Min | 49.875 7:18:00 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.125 20:15:00 |
| Min | 49.932 15:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 147 |
| below 49.97 Hz | 126 |
| above 50.00 Hz | 180 |
| below 50.00 Hz | 179 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:13 |
| above 50.03 | 0:03:26 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:18:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)