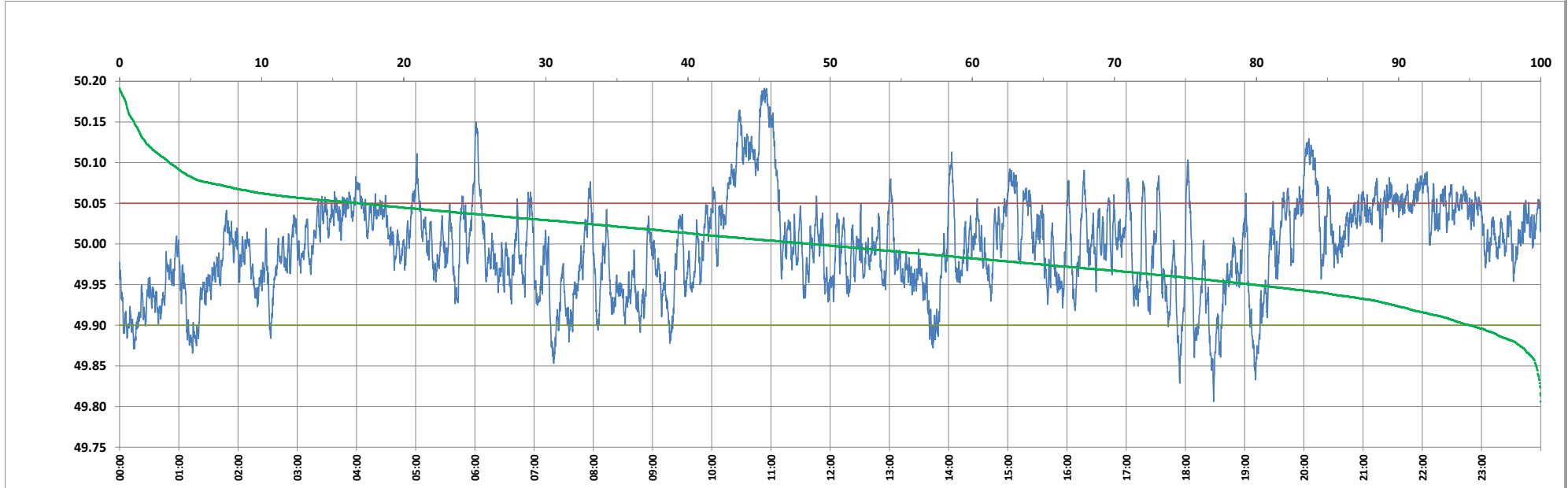


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-Oct-2024 (Saturday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 4.98 | 32.07 | 0.00 | 4.98 | 46.34 | 45.15 | 3.53 | 78.11 | 100.00 | 38.44 | 13.38 | 48.67 | 29.49 | 16.91 | 0.00 | 20.22 | 62.87 | 15.24 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.997 | Frequency Variation Index : 0.0326 | Standard Deviation : 0.0571 | Mileage: 43.1 | FDI: 21.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.191 10:53:20 |
| Min | 49.806 18:28:30 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.157 11:00:00 |
| Min | 49.910 7:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 153 |
| below 49.97 Hz | 133 |
| above 50.00 Hz | 152 |
| below 50.00 Hz | 152 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:28 |
| above 50.03 | 0:02:47 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:15:10 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)