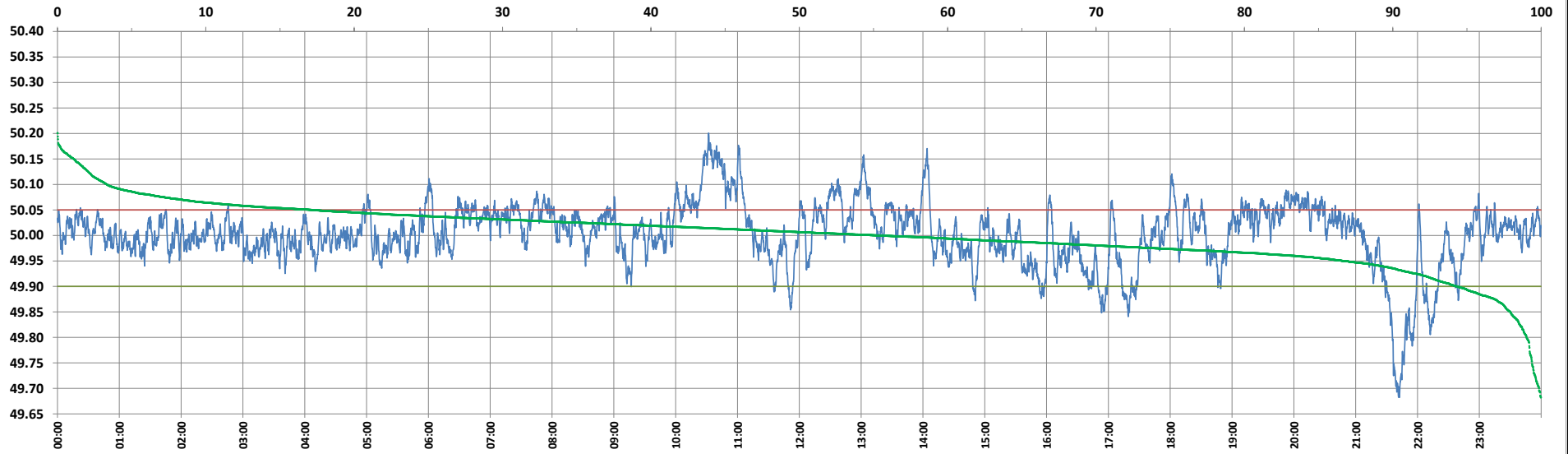


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-Sep-2024 (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 |
| 0.14 | 5.67 | 22.34 | 0.84 | 4.69 | 38.97 | 52.00 | 3.33 | 77.09 | 99.84 | 46.47 | 13.88 | 55.36 | 31.19 | 17.23 | 0.02 | 13.34 | 69.42 | 7.67 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.002 | Frequency Variation Index : 0.0369 | Standard Deviation : 0.0608 | Mileage: 44.6 | FDI: 22.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.201 10:31:50 |
| Min | 49.682 21:42:30 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.157 10:45:00 |
| Min | 49.774 21:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 175 |
| below 49.97 Hz | 141 |
| above 50.00 Hz | 181 |
| below 50.00 Hz | 180 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:17 |
| above 50.03 | 0:02:34 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:29:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)