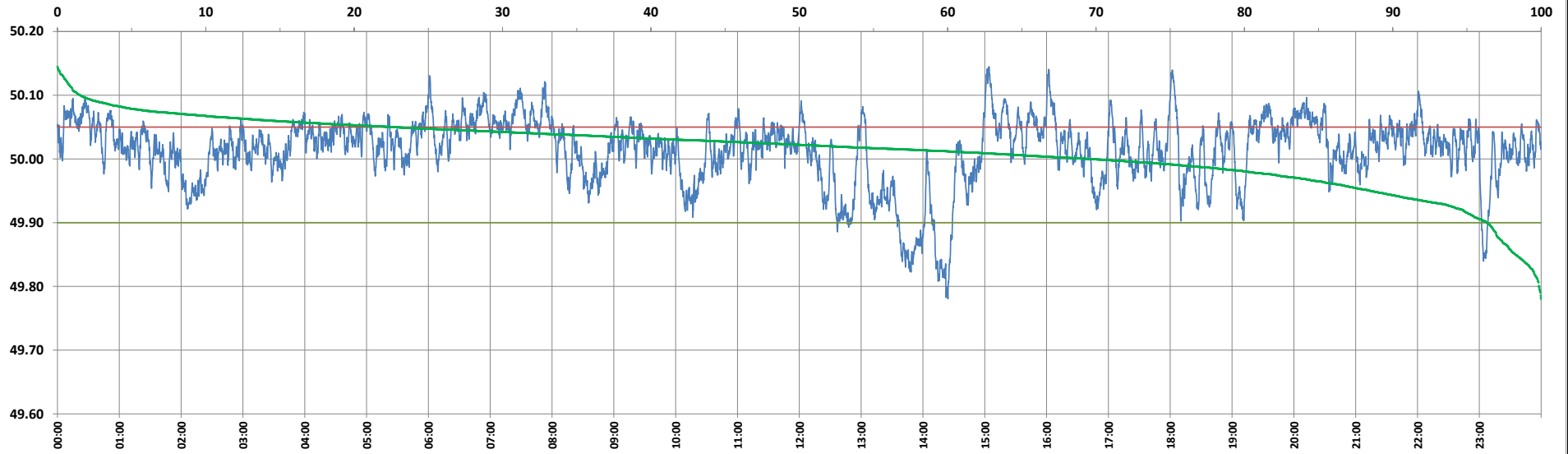


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 24-Sep-2024 (Tuesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 3.66 | 16.34 | 0.15 | 3.51 | 26.78 | 68.01 | 1.55 | 73.69 | 100.00 | 41.56 | 21.10 | 69.56 | 42.09 | 22.65 | 0.00 | 11.50 | 65.84 | 7.85 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.013 | Frequency Variation Index : 0.0290 | Standard Deviation : 0.0522 | Mileage: 41.1 | FDI: 26.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.145 15:04:00 |
| Min | 49.781 14:24:10 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.086 15:15:00 |
| Min | 49.836 14:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 218 |
| below 49.97 Hz | 63 |
| above 50.00 Hz | 156 |
| below 50.00 Hz | 155 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:44 |
| above 50.03 | 0:02:47 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:18:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)