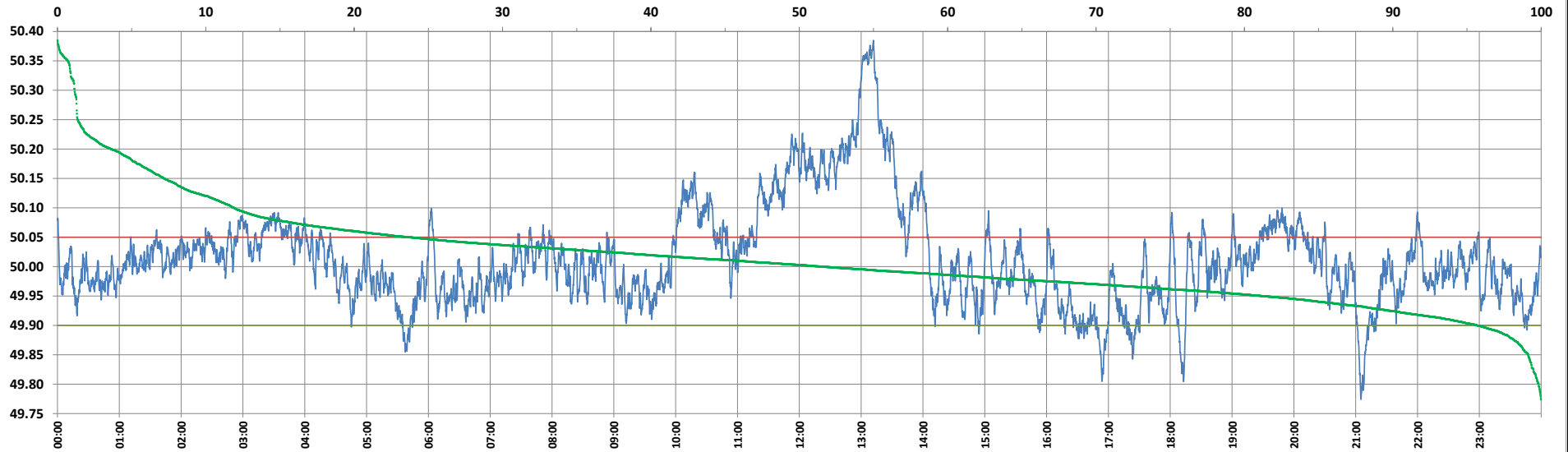


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 14-Sep-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 | 4.31 | 29.90 | 0.17 | 4.13 | 44.07 | 39.71 | 8.29 | 71.98 | 96.38 | 36.13 | 11.81 | 51.62 | 33.97 | 23.72 | 3.62 | 18.84 | 57.44 | 14.54 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.013 | Frequency Variation Index : 0.0706 | Standard Deviation : 0.0831 | Mileage: 45.7 | FDI: 28.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.385 13:11:50 |
| Min | 49.774 21:05:00 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.352 13:15:00 |
| Min | 49.860 21:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 129 |
| below 49.97 Hz | 142 |
| above 50.00 Hz | 138 |
| below 50.00 Hz | 137 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:02 |
| above 50.03 | 0:03:48 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:43:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)