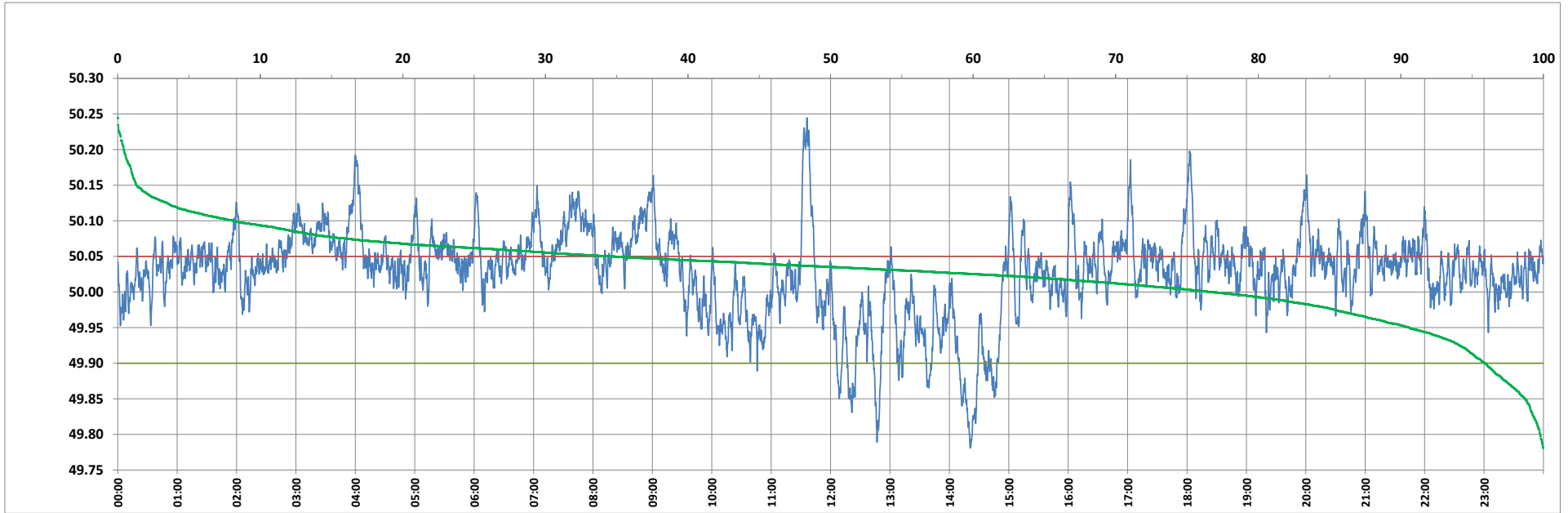


GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Sep-2023 (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 |
| 0.00 | 4.10 | 13.54 | 0.22 | 3.88 | 19.21 | 68.58 | 7.69 | 61.20 | 99.57 | 30.95 | 26.59 | 76.69 | 55.51 | 34.70 | 0.43 | 9.41 | 55.89 | 5.31 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.028 | Frequency Variation Index : 0.0437 | Standard Deviation : 0.0598 | Mileage: 42.1 | FDI: 38.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.245 | 11:36:10 |
| Min | 49.781 | 14:21:00 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.152 | 11:45:00 | |
| Min | 49.835 | 14:30:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 215 |
| below 49.97 Hz | 45 |
| above 50.00 Hz | 109 |
| below 50.00 Hz | 108 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:20 |
| above 50.03 | 0:03:43 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 9:18:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)