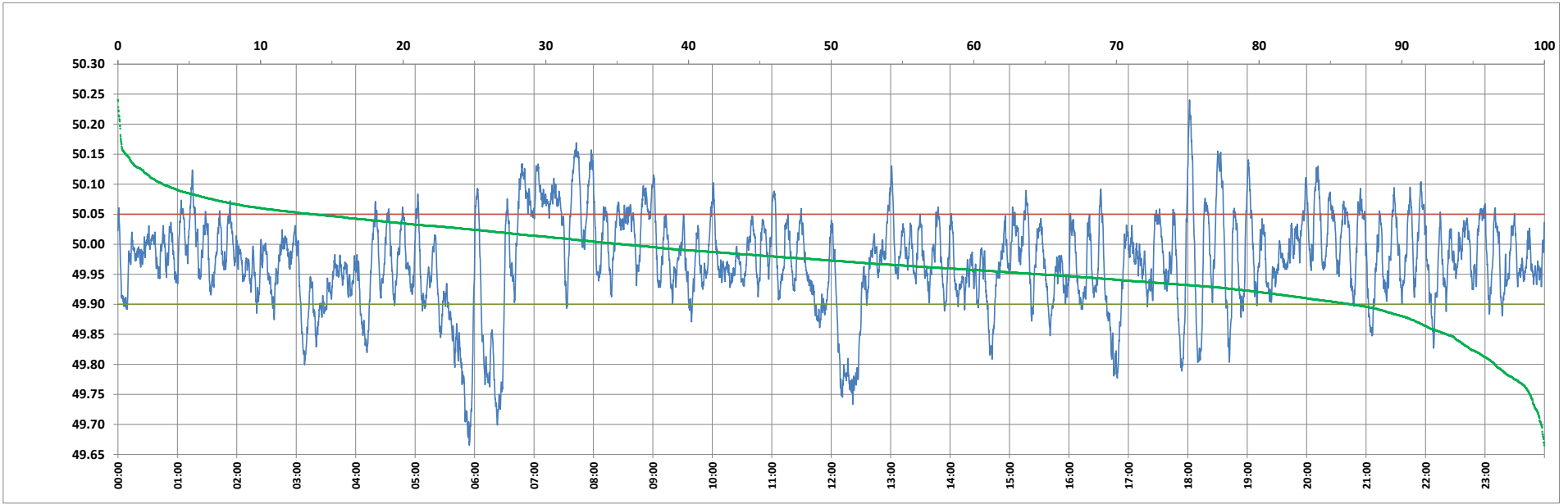


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 03-Apr-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 |
| 0.21 | 13.60 | 48.30 | 3.28 | 10.12 | 51.06 | 32.18 | 3.02 | 72.69 | 99.65 | 29.34 | 10.56 | 35.34 | 22.36 | 13.72 | 0.14 | 35.43 | 50.86 | 21.83 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.971 | Frequency Variation Index : 0.0674 | Standard Deviation : 0.0768 | Mileage: 49.3 | FDI: 27.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.240 | 18:01:40 |
| Min | 49.665 | 5:54:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|---------|
| Max | 50.087 | 7:00:00 |
| Min | 49.760 | 6:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 110 |
| below 49.97 Hz | 142 |
| above 50.00 Hz | 127 |
| below 50.00 Hz | 126 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:54 |
| above 50.03 | 0:02:56 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:33:20 |
|---|---------|

Source : HISAR 10 Sec. (8640 samples)