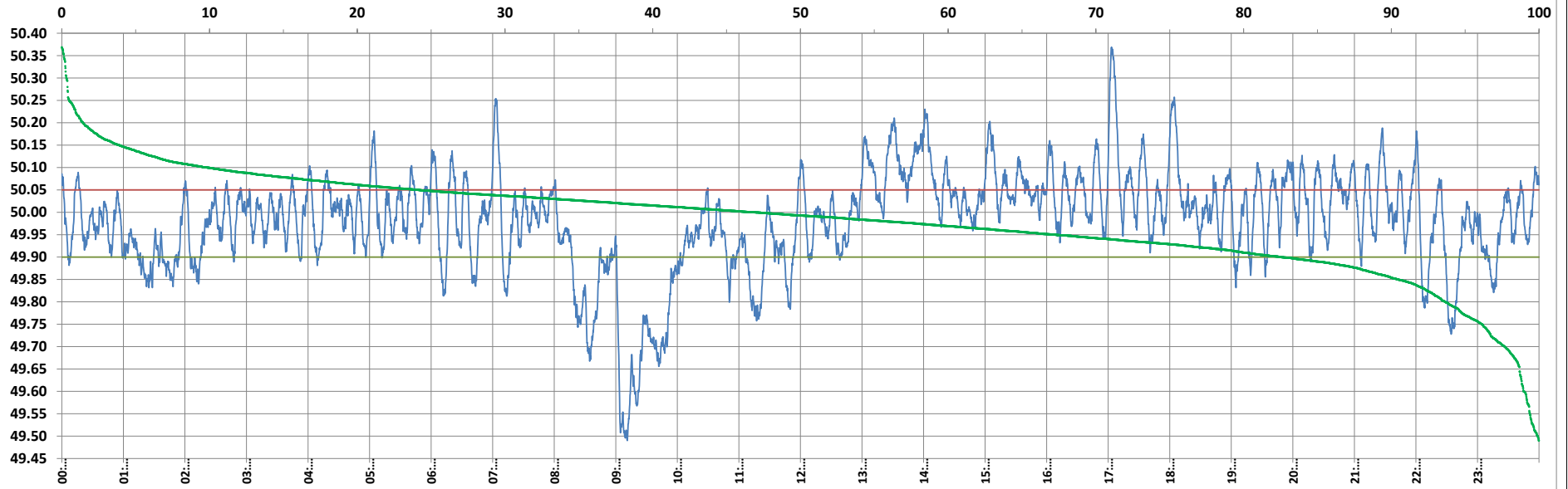


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 13-Jan-2023 (Friday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 2.30 | 17.47 | 40.27 | 4.04 | 11.12 | 35.56 | 37.09 | 8.44 | 58.36 | 96.25 | 26.37 | 14.29 | 46.98 | 33.37 | 24.18 | 1.45 | 32.74 | 43.08 | 15.28 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.981 | Frequency Variation Index : 0.1268 | Standard Deviation : 0.1112 | Mileage: 49.6 | FDI: 41.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.369 | 17:03:10 |
| Min | 49.490 | 9:11:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.188 | 17:15:00 |
| Min | 49.593 | 9:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 120 |
| below 49.97 Hz | 98 |
| above 50.00 Hz | 124 |
| below 50.00 Hz | 123 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:05:55 |
| above 50.03 | 0:04:00 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 9:59:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)