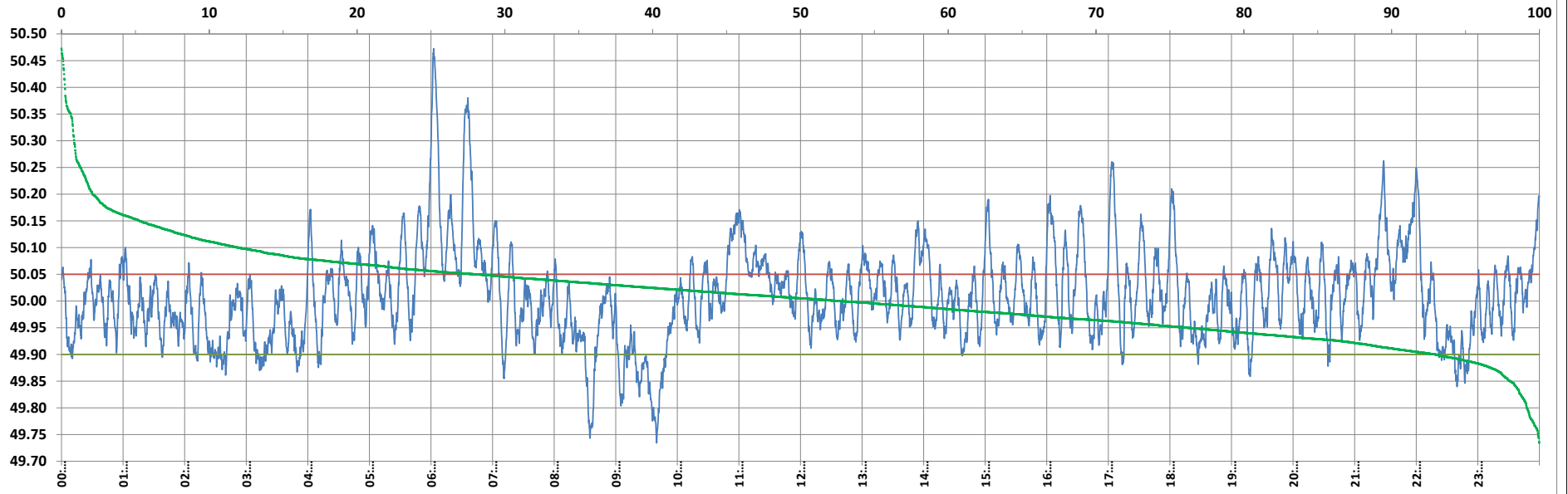


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Jan-2023 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 7.05 | 33.09 | 0.84 | 6.20 | 40.30 | 40.67 | 9.87 | 64.88 | 97.89 | 29.58 | 16.09 | 52.65 | 37.33 | 28.07 | 2.11 | 23.84 | 48.09 | 16.79 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.009 | Frequency Variation Index : 0.0747 | Standard Deviation : 0.0860 | Mileage: 50.6 | FDI: 35.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|---------|
| Max | 50.473 | 6:02:30 |
| Min | 49.734 | 9:39:50 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|---------|
| Max | 50.243 | 6:15:00 |
| Min | 49.811 | 9:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 119 |
| below 49.97 Hz | 124 |
| above 50.00 Hz | 148 |
| below 50.00 Hz | 147 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:51 |
| above 50.03 | 0:04:31 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:25:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)