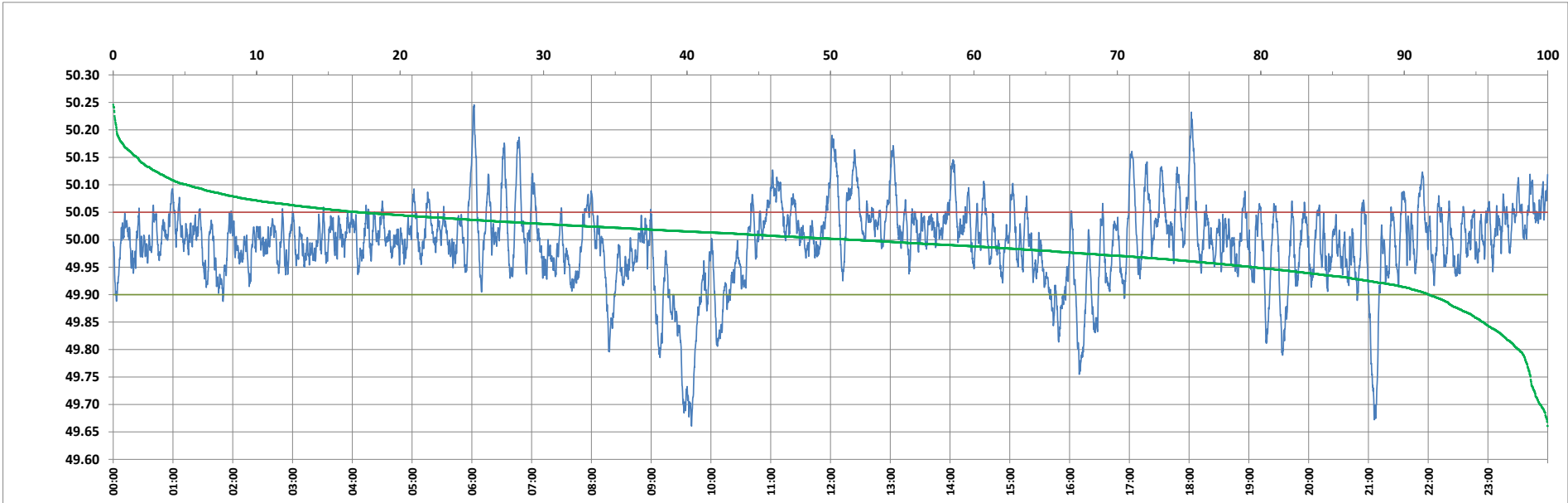


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 14-Jan-2024 (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 |
| 0.53  | 8.29   | 29.46  | 1.49      | 6.26      | 40.22     | 46.37     | 4.88      | 74.56       | 99.22     | 41.42       | 12.03      | 51.49 | 29.12  | 17.15  | 0.24  | 20.56  | 62.29       | 12.27       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.994 | Frequency Variation Index : 0.0548 | Standard Deviation : 0.0738 | Mileage: 50.8 | FDI: 25.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |         |
|-------------------------|--------|---------|
| Max                     | 50.246 | 6:02:10 |
| Min                     | 49.661 | 9:40:30 |

| 15 minute Average Frequency |        |          |  |
|-----------------------------|--------|----------|--|
| Max                         | 50.094 | 12:30:00 |  |
| Min                         | 49.720 | 9:45:00  |  |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 161 |
| below 49.97 Hz    | 138 |
| above 50.00 Hz    | 190 |
| below 50.00 Hz    | 190 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:03:04 |
| above 50.03                             | 0:02:36 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:06:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)