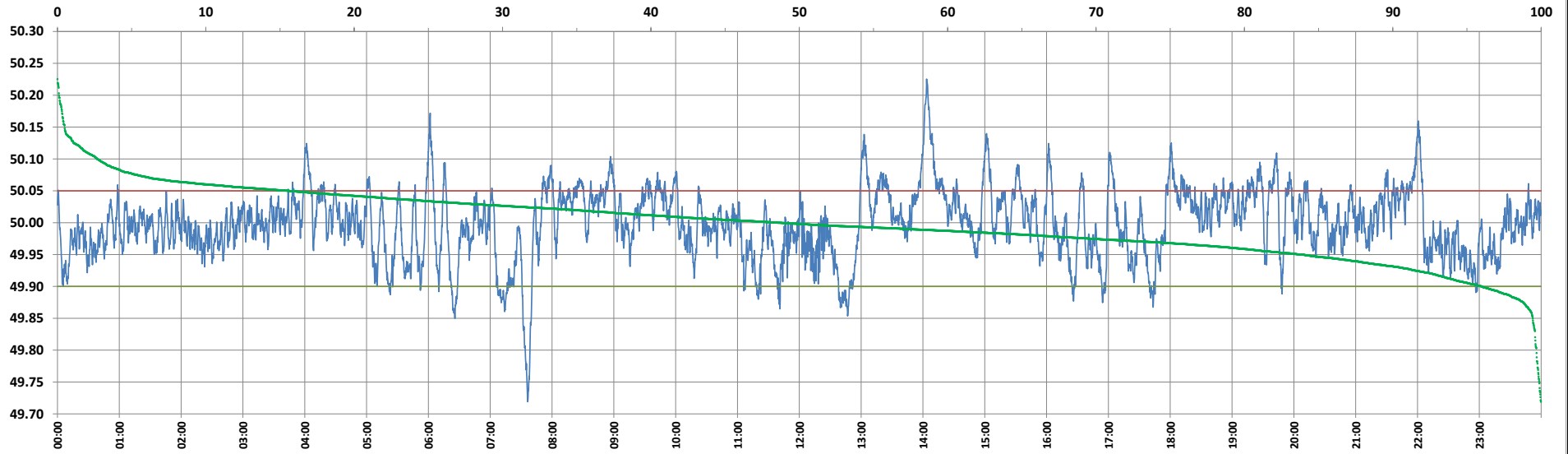


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Nov-2024 (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 |
| 0.00  | 3.99   | 26.47  | 0.31      | 3.68      | 47.44     | 45.88     | 2.58      | 80.41       | 99.90     | 46.01       | 12.92      | 48.56 | 27.52  | 15.60  | 0.10  | 16.10  | 68.30       | 12.11       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.998 | Frequency Variation Index : 0.0289 | Standard Deviation : 0.0538 | Mileage: 50.7 | FDI: 19.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                   |
|-------------------------|-------------------|
| Max                     | 50.225   14:03:30 |
| Min                     | 49.719   7:36:20  |

| 15 minute Average Frequency |                   |
|-----------------------------|-------------------|
| Max                         | 50.132   14:15:00 |
| Min                         | 49.868   7:45:00  |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 156 |
| below 49.97 Hz    | 192 |
| above 50.00 Hz    | 216 |
| below 50.00 Hz    | 215 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:01:59 |
| above 50.03                             | 0:02:32 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:42:10 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)