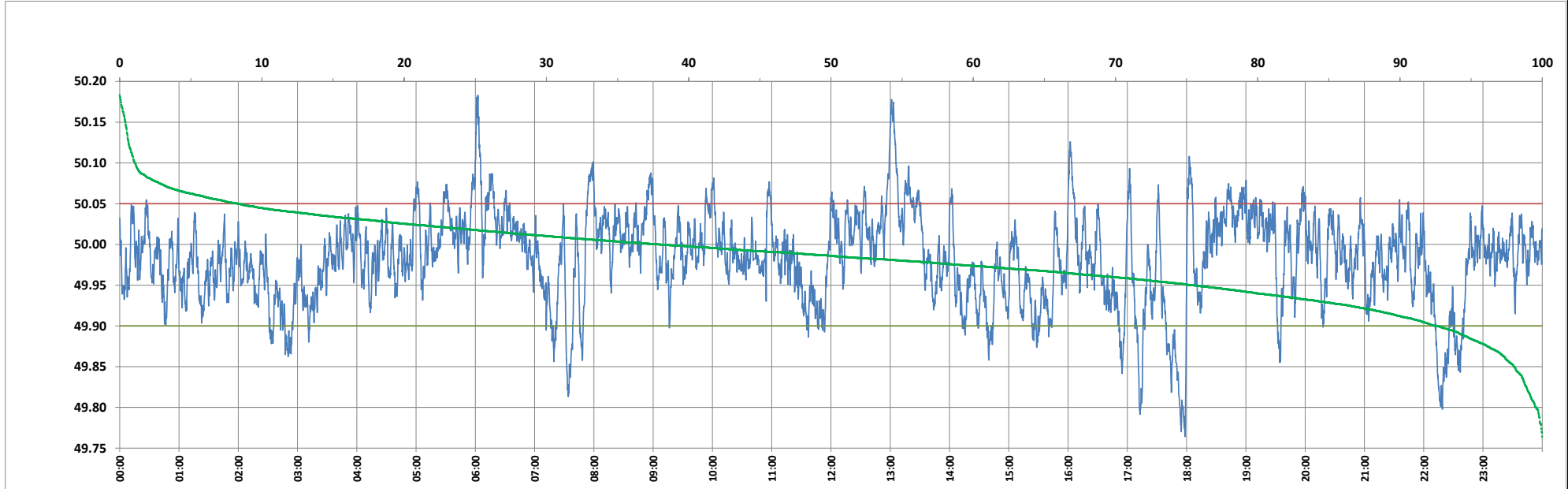


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-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  | 7.43   | 37.15  | 0.43      | 7.00      | 54.62     | 36.89     | 1.06      | 84.22       | 100.00    | 45.27       | 7.28       | 37.95 | 17.58  | 8.34   | 0.00  | 24.57  | 67.08       | 17.14       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.982 | Frequency Variation Index : 0.0334 | Standard Deviation : 0.0549 | Mileage: 49.2 | FDI: 15.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.183 | 6:02:30  |
| Min                     | 49.764 | 17:58:20 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.084 | 13:15:00 |
| Min                         | 49.830 | 18:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 136 |
| below 49.97 Hz    | 182 |
| above 50.00 Hz    | 208 |
| below 50.00 Hz    | 207 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:56 |
| above 50.03                             | 0:01:52 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:47:10 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)