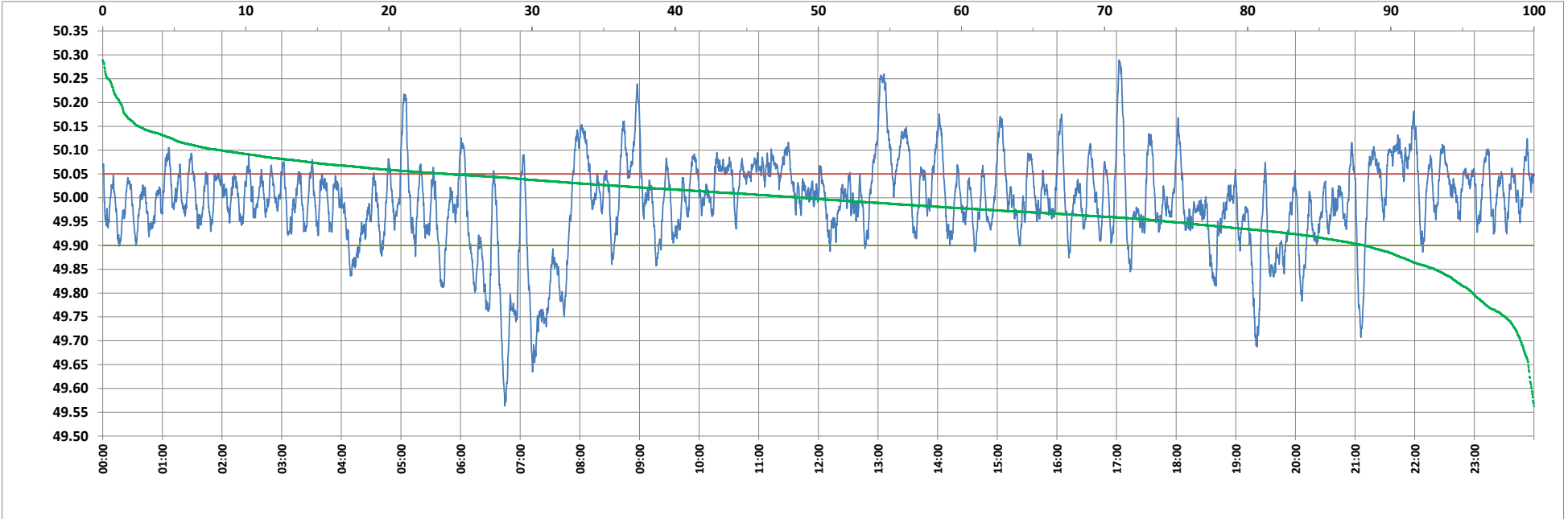


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 11-Jan-2023 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.94 | 11.86 | 35.35 | 3.33 | 7.59 | 39.20 | 40.79 | 6.92 | 64.06 | 97.84 | 31.23 | 15.93 | 48.94 | 33.43 | 24.07 | 1.23 | 25.54 | 50.38 | 13.68 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.991 | Frequency Variation Index : 0.0856 | Standard Deviation : 0.0922 | Mileage: 48.3 | FDI: 35.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.289 17:02:30 |
| Min | 49.563 6:44:30 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.178 13:15:00 |
| Min | 49.747 7:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 110 |
| below 49.97 Hz | 139 |
| above 50.00 Hz | 127 |
| below 50.00 Hz | 126 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:40 |
| above 50.03 | 0:04:23 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:37:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)