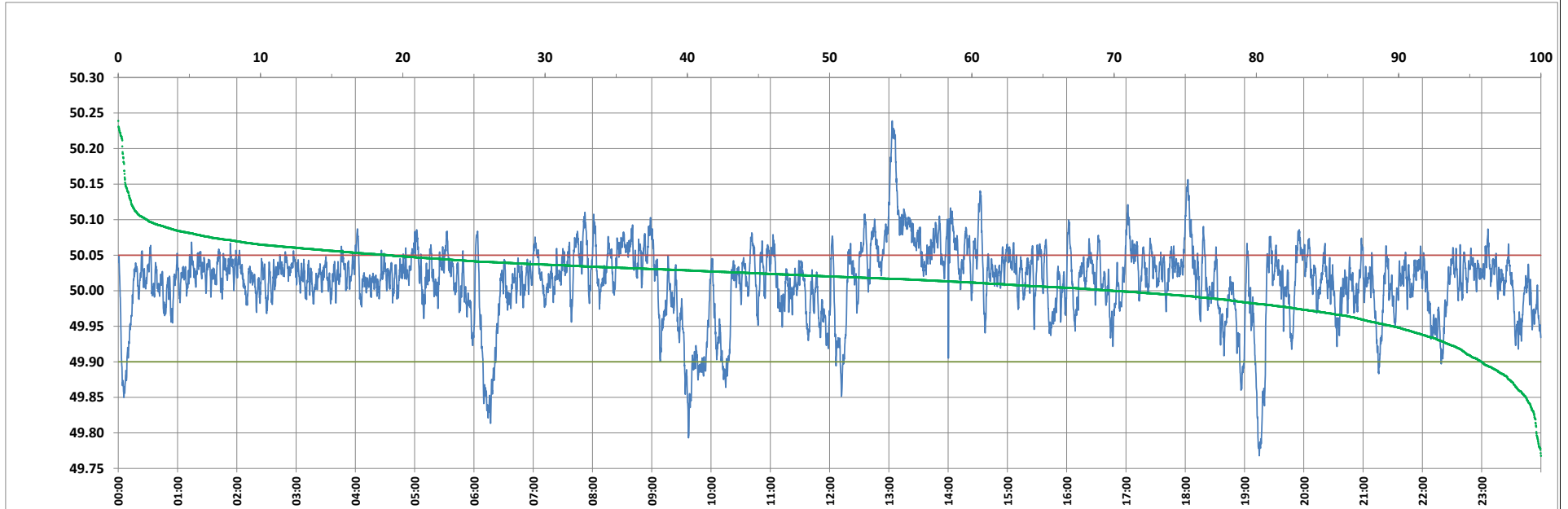


GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 11-Aug-2023 (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 | 4.16 | 15.46 | 0.31 | 3.84 | 25.94 | 67.88 | 1.74 | 76.86 | 99.71 | 46.18 | 16.96 | 69.91 | 38.36 | 18.98 | 0.29 | 10.44 | 70.58 | 6.28 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.013 | Frequency Variation Index : 0.0286 | Standard Deviation : 0.0520 | Mileage: 48.1 | FDI: 23.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.239 | 13:03:20 |
| Min | 49.768 | 19:14:50 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.150 | 13:15:00 | |
| Min | 49.887 | 9:45:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 282 |
| below 49.97 Hz | 88 |
| above 50.00 Hz | 191 |
| below 50.00 Hz | 190 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:32 |
| above 50.03 | 0:01:58 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:33:10 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)