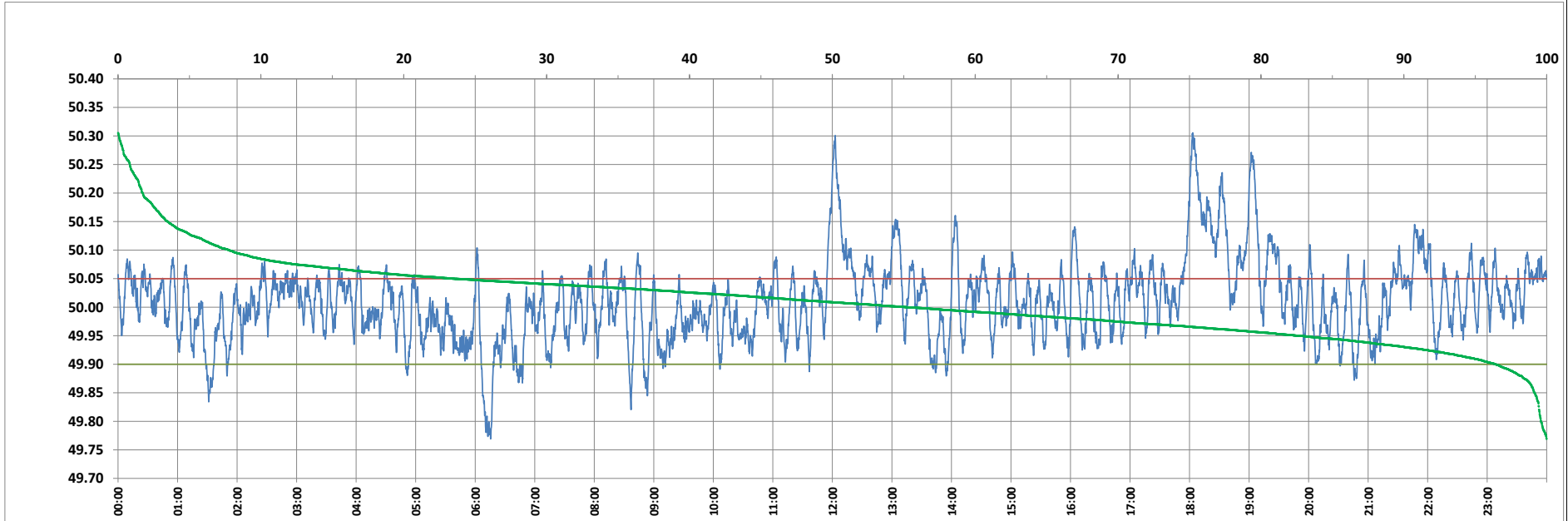


GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 19-Jun-2023 (Monday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 3.58 | 27.42 | 0.39 | 3.18 | 41.17 | 47.48 | 6.05 | 72.94 | 98.28 | 35.12 | 15.71 | 55.25 | 37.47 | 23.48 | 1.72 | 17.38 | 59.13 | 13.81 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.011 | Frequency Variation Index : 0.0490 | Standard Deviation : 0.0693 | Mileage: 47.3 | FDI: 27.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.305 | 18:03:10 |
| Min | 49.769 | 6:15:30 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.224 | 18:15:00 |
| Min | 49.902 | 6:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 150 |
| below 49.97 Hz | 140 |
| above 50.00 Hz | 148 |
| below 50.00 Hz | 147 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:49 |
| above 50.03 | 0:03:36 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:29:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)