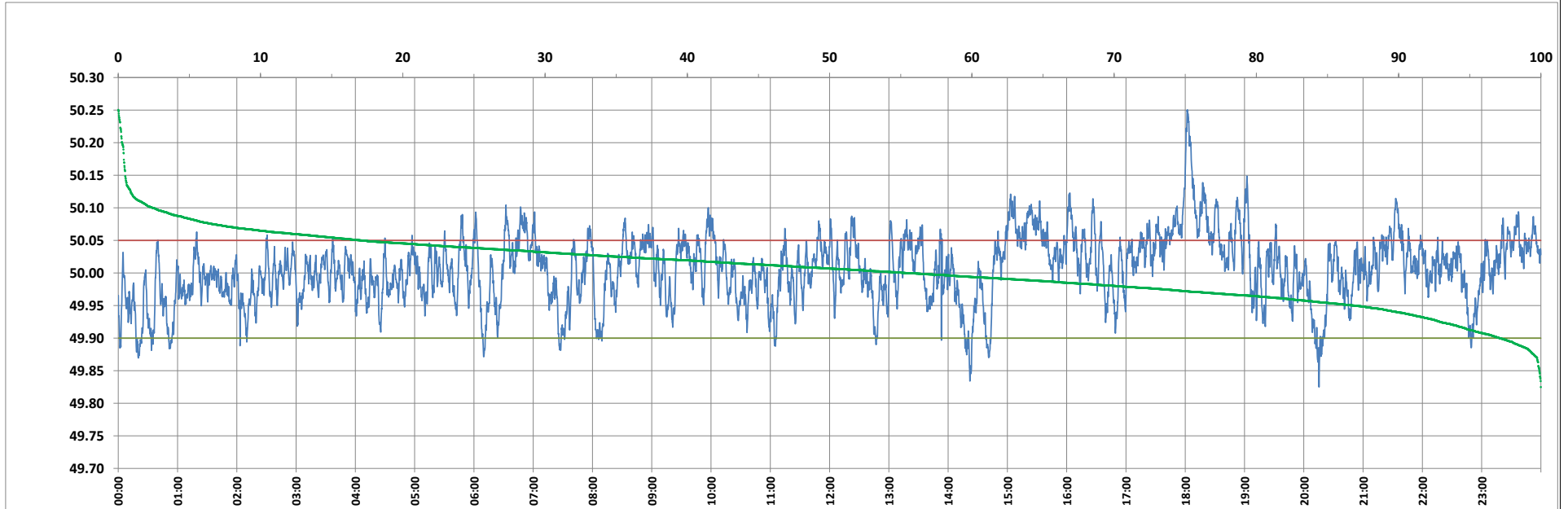


GRID CONTROLLER OF INDIA LIMITED
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Jul-2023 (Thursday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 2.89 | 23.62 | 0.00 | 2.89 | 41.68 | 52.99 | 2.16 | 79.99 | 99.72 | 45.09 | 14.69 | 55.43 | 31.28 | 17.12 | 0.28 | 13.08 | 69.80 | 10.19 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.005 | Frequency Variation Index : 0.0263 | Standard Deviation : 0.0511 | Mileage: 47.7 | FDI: 20.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.250 | 18:02:10 |
| Min | 49.825 | 20:15:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.146 | 18:15:00 |
| Min | 49.909 | 14:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 171 |
| below 49.97 Hz | 147 |
| above 50.00 Hz | 192 |
| below 50.00 Hz | 192 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:19 |
| above 50.03 | 0:02:38 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:48:10 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)