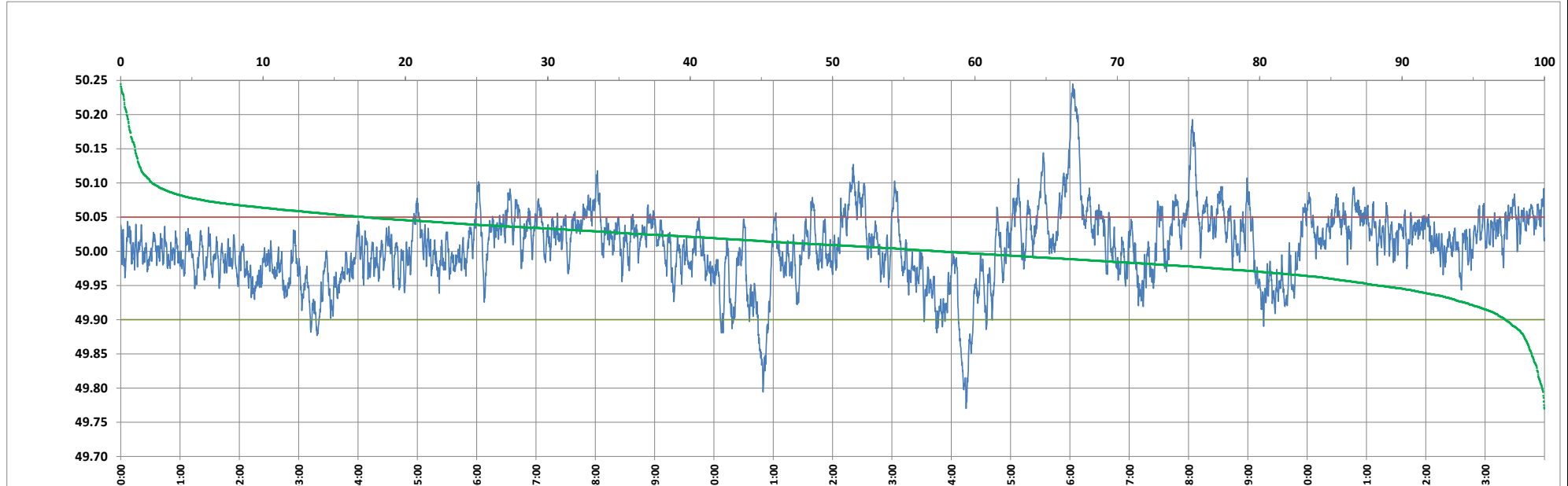


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 17-Aug-2024 (Saturday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 2.73 | 19.99 | 0.16 | 2.57 | 39.73 | 55.34 | 1.78 | 80.10 | 99.58 | 47.22 | 14.97 | 57.53 | 32.79 | 17.16 | 0.42 | 11.68 | 71.16 | 8.95 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.007 | Frequency Variation Index : 0.0271 | Standard Deviation : 0.0520 | Mileage: 44.5 | FDI: 19.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-------------------|
| Max | 50.245 16:02:50 |
| Min | 49.770 14:15:00 |

| 15 minute Average Frequency | |
|-----------------------------|-------------------|
| Max | 50.159 16:15:00 |
| Min | 49.888 11:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 179 |
| below 49.97 Hz | 122 |
| above 50.00 Hz | 184 |
| below 50.00 Hz | 183 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:22 |
| above 50.03 | 0:02:38 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:46:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)