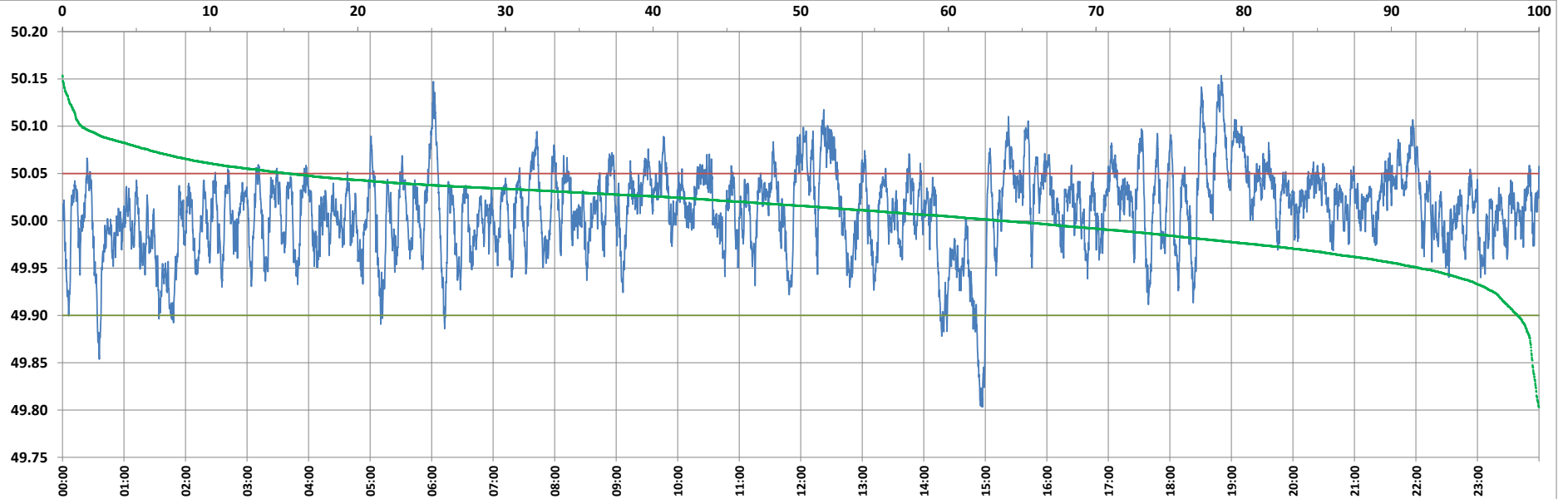


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 09-Oct-2022 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 1.47 | 16.26 | 0.00 | 1.47 | 34.75 | 62.48 | 1.31 | 83.23 | 100.00 | 48.87 | 13.99 | 63.78 | 34.87 | 15.30 | 0.00 | 8.08 | 76.62 | 6.61 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.011 | Frequency Variation Index : 0.0203 | Standard Deviation : 0.0437 | Mileage: 47.5 | FDI: 16.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.154 | 18:50:00 |
| Min | 49.803 | 14:57:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.095 | 19:00:00 |
| Min | 49.869 | 15:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 268 |
| below 49.97 Hz | 130 |
| above 50.00 Hz | 207 |
| below 50.00 Hz | 206 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:01:48 |
| above 50.03 | 0:01:52 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:01:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)