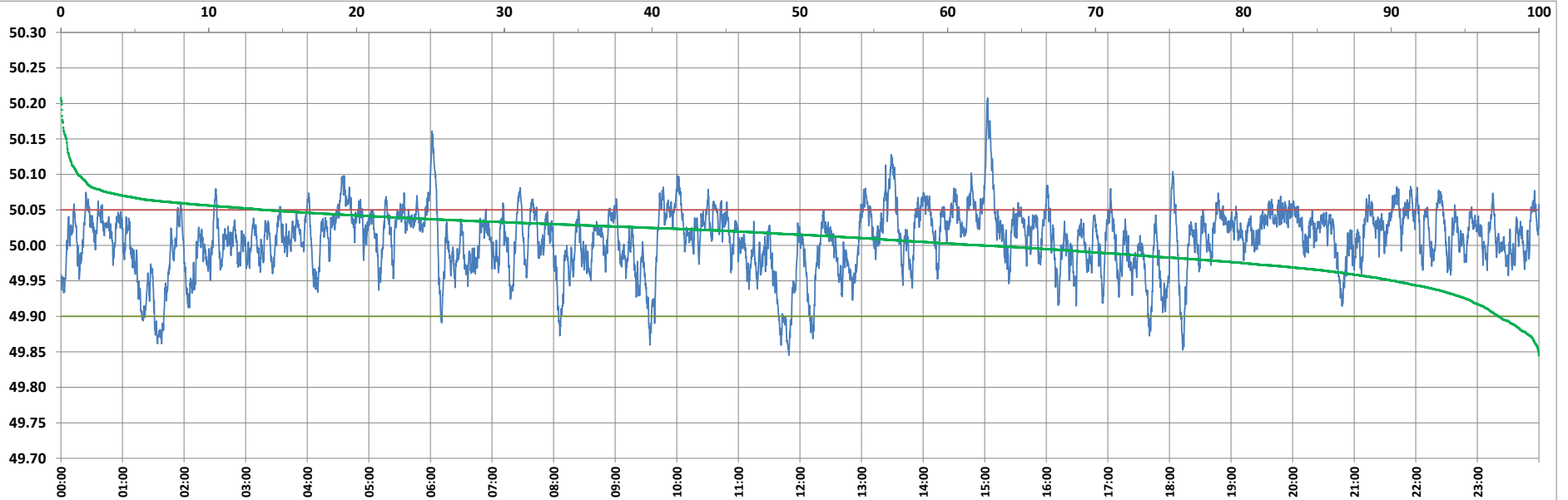


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 18-Oct-2022 (Tuesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 2.75 | 17.12 | 0.00 | 2.75 | 34.91 | 61.18 | 1.10 | 83.44 | 99.94 | 49.62 | 12.65 | 62.34 | 33.26 | 13.81 | 0.06 | 9.80 | 76.39 | 7.05 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.008 | Frequency Variation Index : 0.0206 | Standard Deviation : 0.0446 | Mileage: 45.1 | FDI: 16.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.208 | 15:02:50 |
| Min | 49.845 | 11:49:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.098 | 15:15:00 |
| Min | 49.899 | 1:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 259 |
| below 49.97 Hz | 120 |
| above 50.00 Hz | 209 |
| below 50.00 Hz | 209 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:03 |
| above 50.03 | 0:01:51 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:58:30 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)