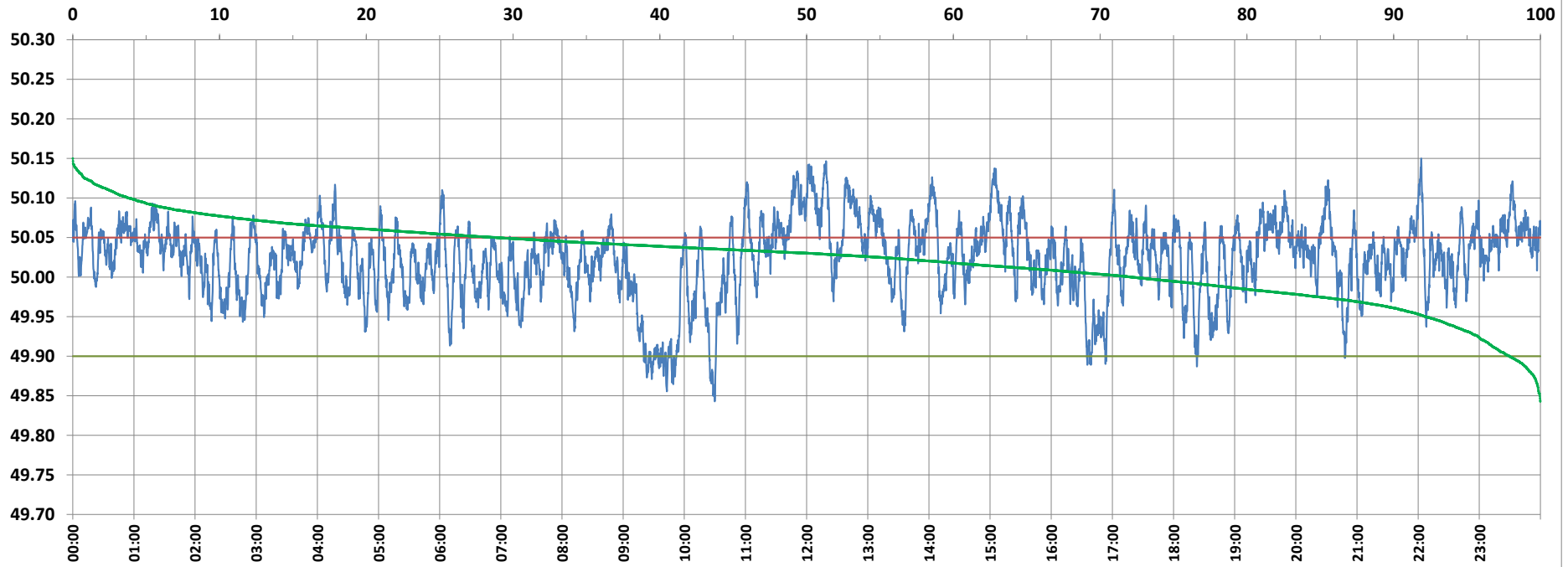


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 23-Sep-2021 (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 | 2.09 | 12.85 | 0.00 | 2.09 | 25.73 | 68.36 | 3.82 | 69.04 | 100.00 | 36.77 | 25.05 | 72.18 | 50.38 | 28.87 | 0.00 | 7.80 | 63.33 | 5.71 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.023 | Frequency Variation Index : 0.0285 | Standard Deviation : 0.0483 | Mileage: 46.2 | FDI: 31.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.150 | 22:03:00 |
| Min | 49.843 | 10:29:50 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.103 | 12:15:00 |
| Min | 49.896 | 9:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 237 |
| below 49.97 Hz | 86 |
| above 50.00 Hz | 148 |
| below 50.00 Hz | 147 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:09 |
| above 50.03 | 0:03:04 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:25:50 |
|---|---------|

Source : BARH 10 Sec. (8640 samples)