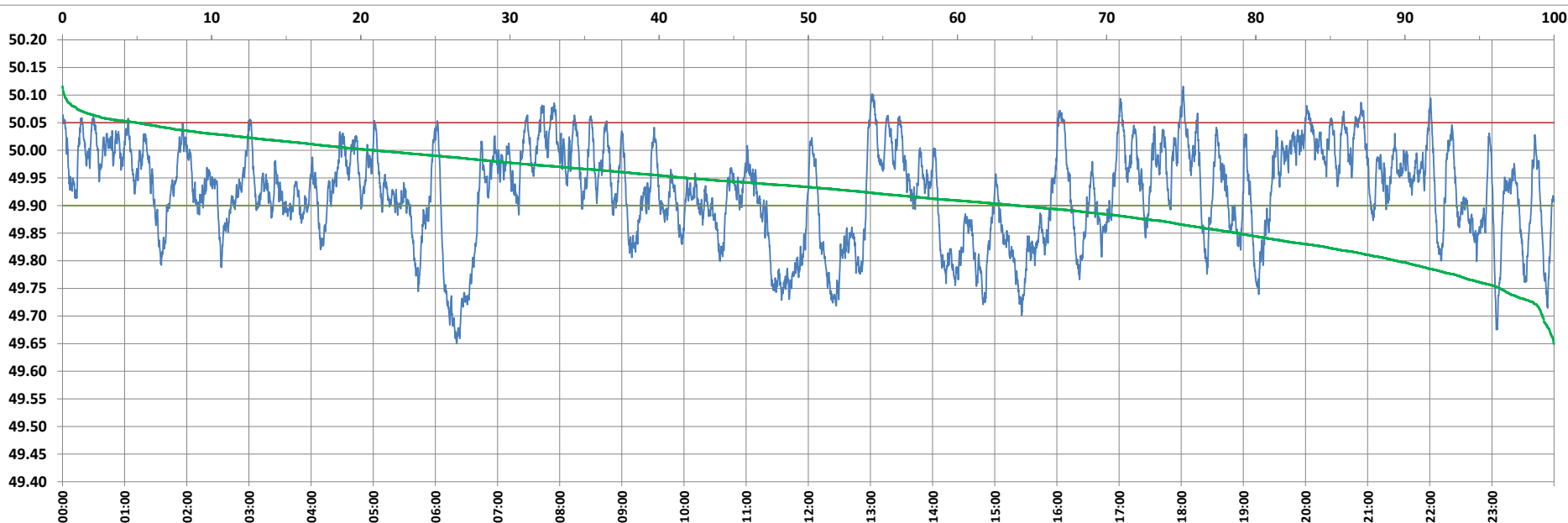


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Apr-2022 (Friday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.78 | 35.97 | 66.60 | 9.77 | 25.43 | 43.04 | 20.84 | 0.14 | 59.05 | 99.22 | 23.41 | 4.84 | 20.98 | 9.99 | 4.98 | 0.00 | 58.17 | 36.85 | 22.20 |

Average Frequency : 49.923

Frequency Variation Index : 0.1358

Standard Deviation : 0.0874

Mileage: 46.1

FDI: 40.9

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.116 | 18:01:50 |
| Min | 49.650 | 6:20:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.040 | 21:00:00 |
| Min | 49.697 | 6:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 66 |
| below 49.97 Hz | 103 |
| above 50.00 Hz | 105 |
| below 50.00 Hz | 104 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:09:19 |
| above 50.03 | 0:02:11 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 9:49:40 |
|---|---------|

Source : BARH 10 Sec. (8640 samples)