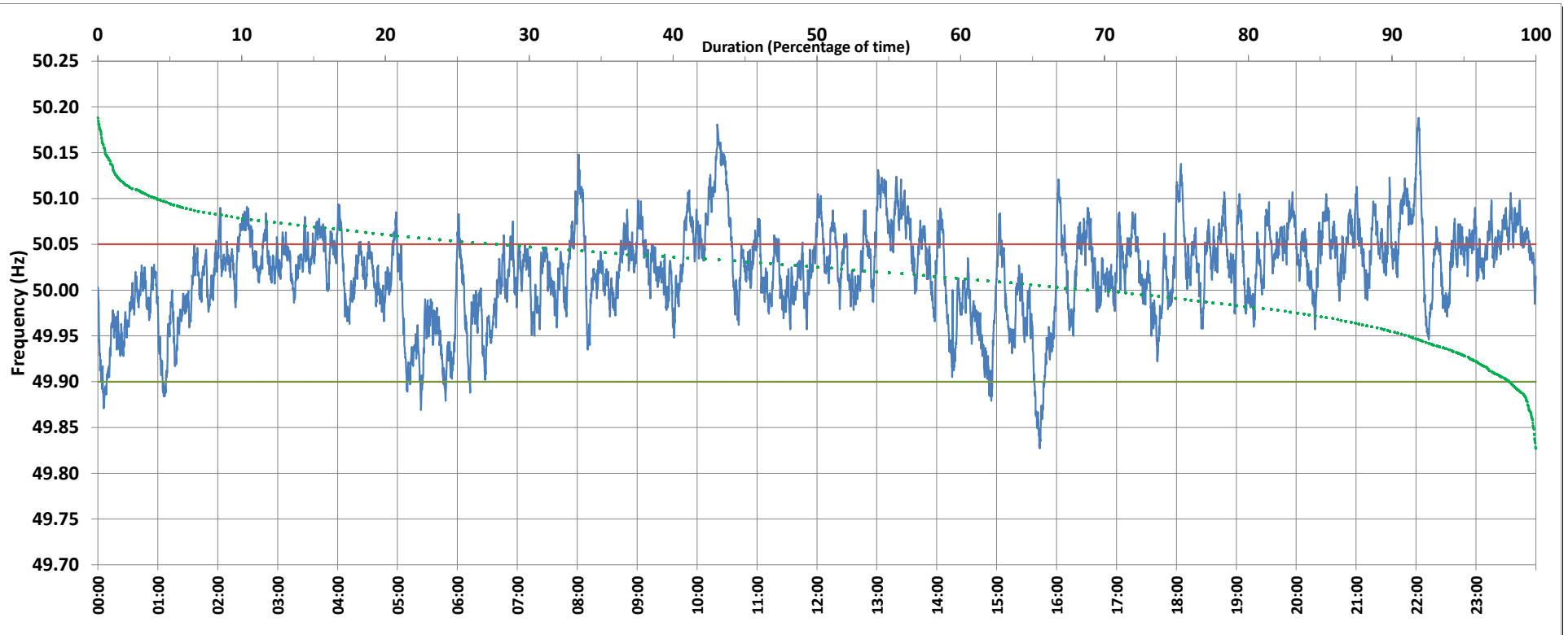


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 25-Sep-2019 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 1.75 | 14.12 | 0.00 | 1.75 | 27.99 | 66.11 | 4.16 | 70.53 | 100.00 | 39.80 | 24.40 | 68.82 | 46.08 | 27.72 | 0.00 | 8.70 | 63.58 | 6.96 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.021 | Frequency Variation Index : 0.0295 | Standard Deviation : 0.0503 | Mileage: 46.3 | FDI: 29.5 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.188 | 22:02:20 |
| Min | 49.827 | 15:43:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.138 | 10:30:00 |
| Min | 49.912 | 15:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 175 |
| below 49.97 Hz | 61 |
| above 50.00 Hz | 104 |
| below 50.00 Hz | 104 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:20 |
| above 50.03 | 0:03:47 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:04:20 |
|---|---------|

Source : THRISSUR:Frequency 10 Sec. (8640 samples)