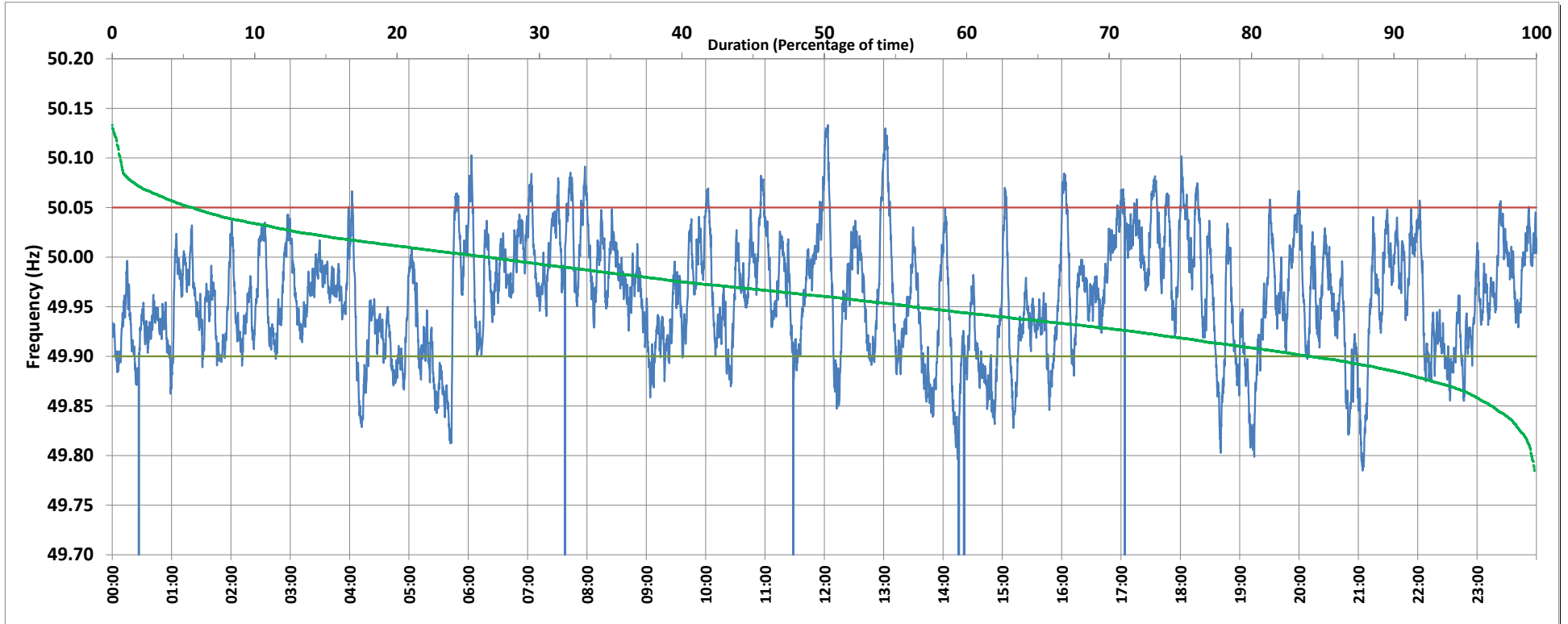


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 26-Oct-2018 (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 |
| 0.0 | 15.8 | 56.3 | 0.2 | 15.6 | 57.6 | 25.9 | 0.6 | 78.4 | 99.9 | 32.2 | 5.1 | 26.3 | 11.4 | 5.7 | 0.1 | 43.6 | 50.6 | 27.8 |

| | | | | |
|----------------------------|------------------------------------|----------------------------|----------------|-----------|
| Average Frequency : 49.960 | Frequency Variation Index : 31.878 | Standard Deviation : 1.783 | Mileage: 645.6 | FDI: 21.5 |
|----------------------------|------------------------------------|----------------------------|----------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.133 | 12:03:30 |
| Min | 49.785 | 21:04:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.033 | 17:45:00 |
| Min | 46.578 | 14:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 86 |
| below 49.97 Hz | 156 |
| above 50.00 Hz | 122 |
| below 50.00 Hz | 123 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:05:12 |
| above 50.03 | 0:01:54 |

| No. of hours freq outside 49.9-50.05 Hz | |
|---|---------|
| | 5:11:00 |

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