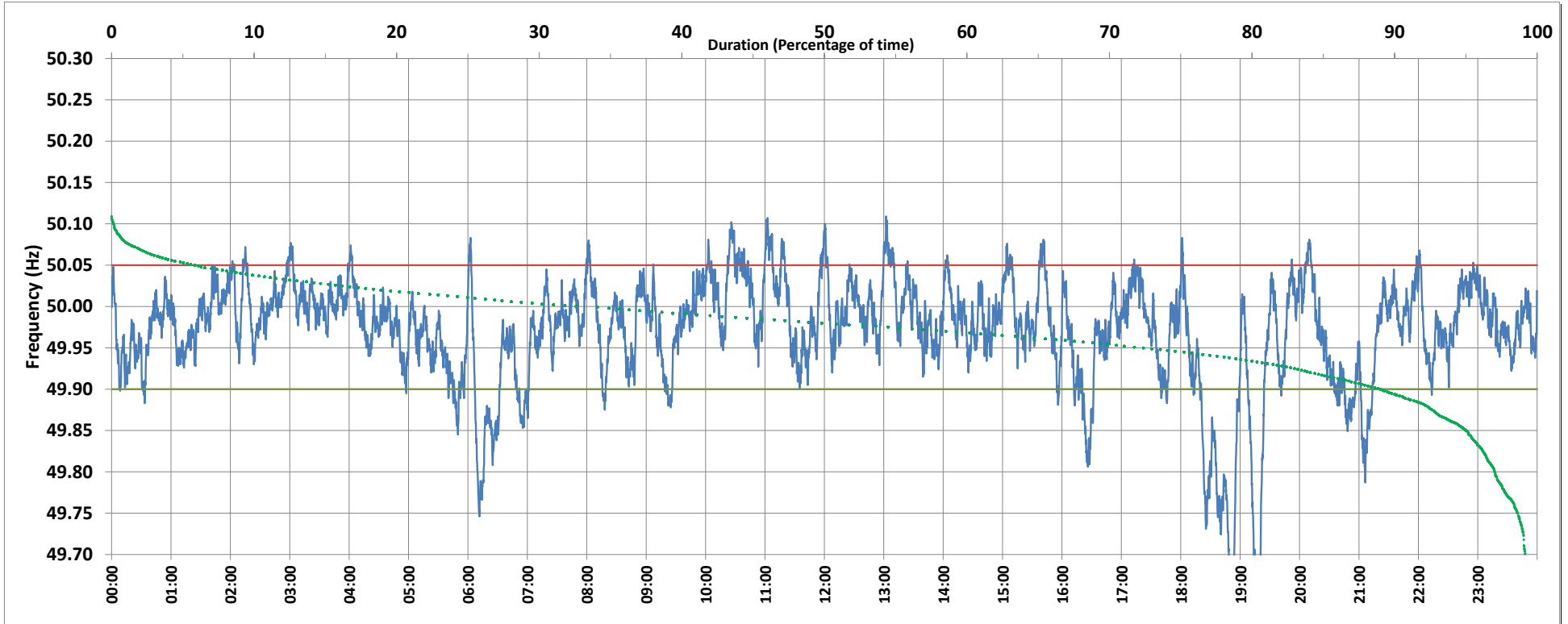


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 07-Sep-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 |
| 0.8 | 10.8 | 40.7 | 2.1 | 7.9 | 55.1 | 33.9 | 0.2 | 83.3 | 99.2 | 45.6 | 6.0 | 32.6 | 13.7 | 5.8 | 0.0 | 27.0 | 67.1 | 16.2 |

| | | | | |
|----------------------------|-----------------------------------|----------------------------|---------------|-----------|
| Average Frequency : 49.970 | Frequency Variation Index : 0.052 | Standard Deviation : 0.066 | Mileage: 47.5 | FDI: 16.7 |
|----------------------------|-----------------------------------|----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.109 | 13:02:20 |
| Min | 49.649 | 18:52:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.051 | 11:15:00 |
| Min | 49.760 | 19:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 110 |
| below 49.97 Hz | 161 |
| above 50.00 Hz | 124 |
| below 50.00 Hz | 125 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:38 |
| above 50.03 | 0:01:47 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:00:00 |
|---|---------|

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