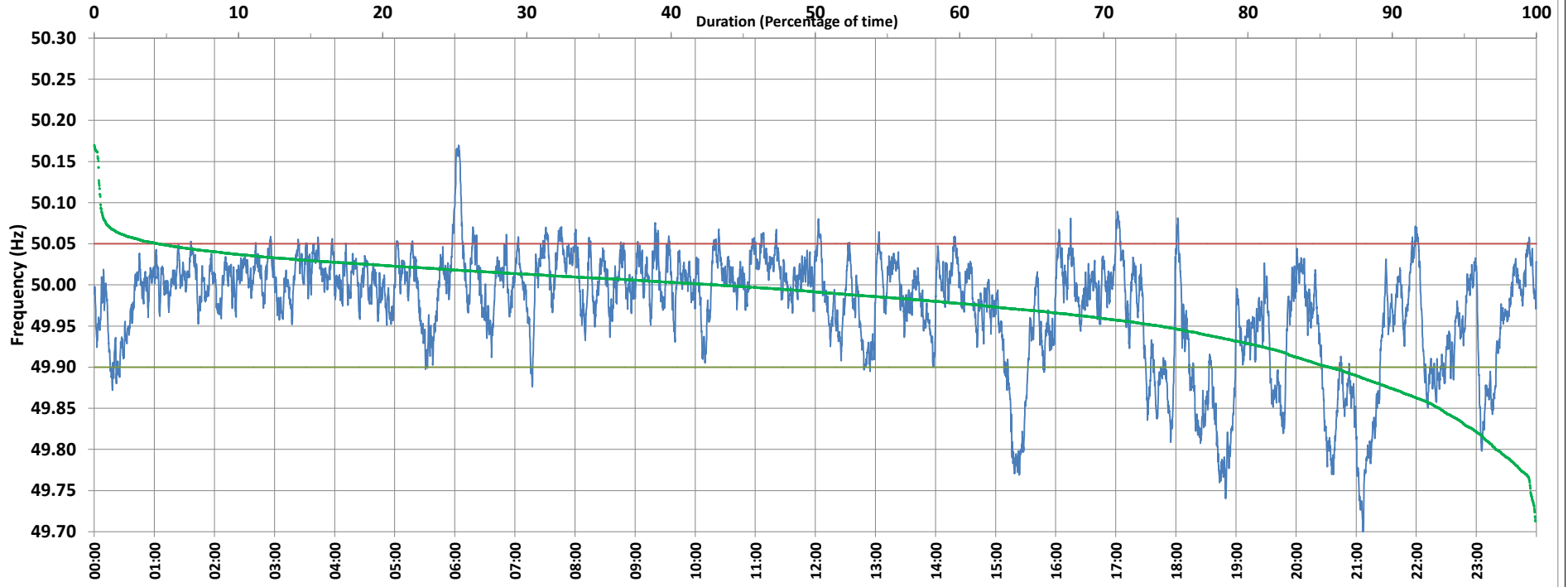


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-Sep-2020 (Tuesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.06 | 14.36 | 35.58 | 2.74 | 11.56 | 42.48 | 42.73 | 0.43 | 81.22 | 99.94 | 49.81 | 4.03 | 43.11 | 14.61 | 4.42 | 0.00 | 10.00 | 69.53 | -4.36 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.974 | Frequency Variation Index : 0.0511 | Standard Deviation : 0.0664 | Mileage: 44.9 | FDI: 18.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.170 | 6:03:50 |
| Min | 49.688 | 21:06:50 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.071 | 6:15:00 |
| Min | 49.766 | 21:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 155 |
| below 49.97 Hz | 128 |
| above 50.00 Hz | 212 |
| below 50.00 Hz | 210 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:00 |
| above 50.03 | 0:01:21 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:30:30 |
|---|---------|

Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)