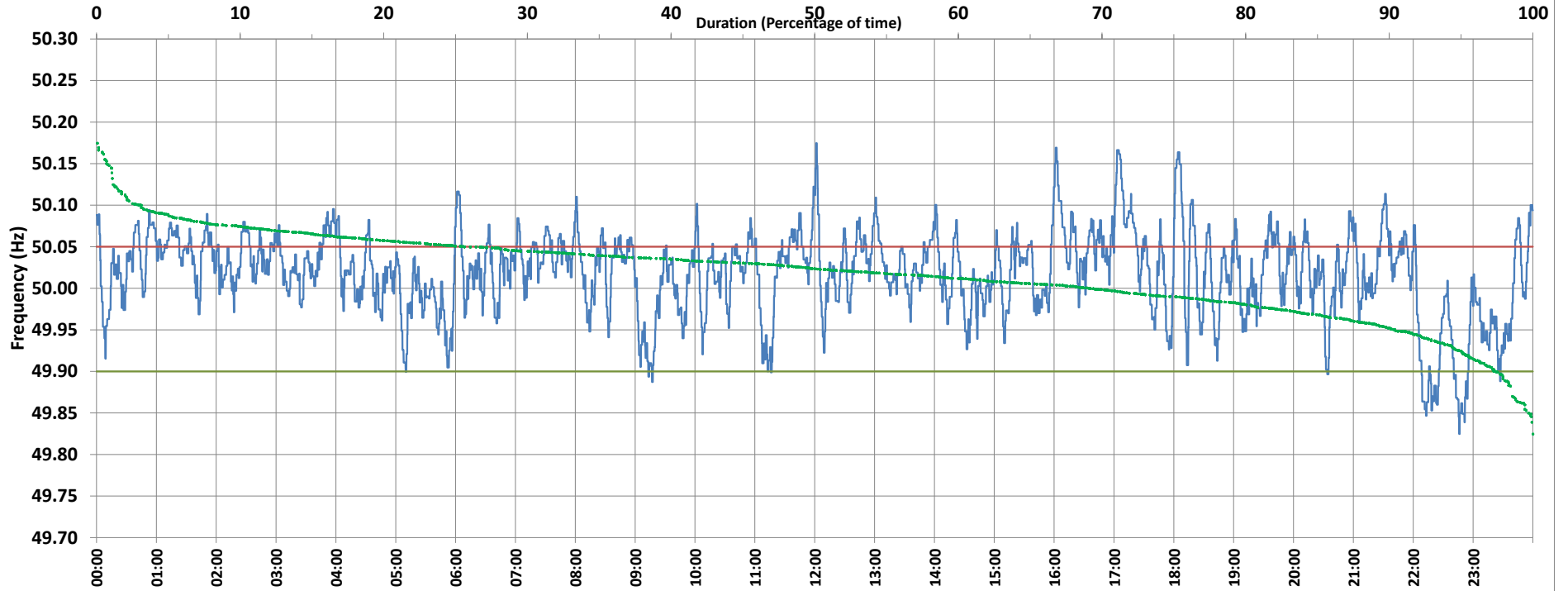


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 11-Mar-2021 (Thursday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 2.57 | 15.93 | 0.00 | 2.57 | 28.34 | 66.03 | 3.06 | 71.83 | 100.00 | 38.81 | 22.55 | 69.09 | 45.27 | 25.60 | 0.00 | 9.62 | 64.78 | 7.05 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.018 | Frequency Variation Index : 0.0289 | Standard Deviation : 0.0508 | Mileage: 24.7 | FDI: 28.2 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.175 | 12:01:20 |
| Min | 49.825 | 22:46:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.115 | 17:15:00 |
| Min | 49.895 | 23:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 109 |
| below 49.97 Hz | 51 |
| above 50.00 Hz | 99 |
| below 50.00 Hz | 98 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:30 |
| above 50.03 | 0:05:59 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:45:40 |
|---|---------|

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