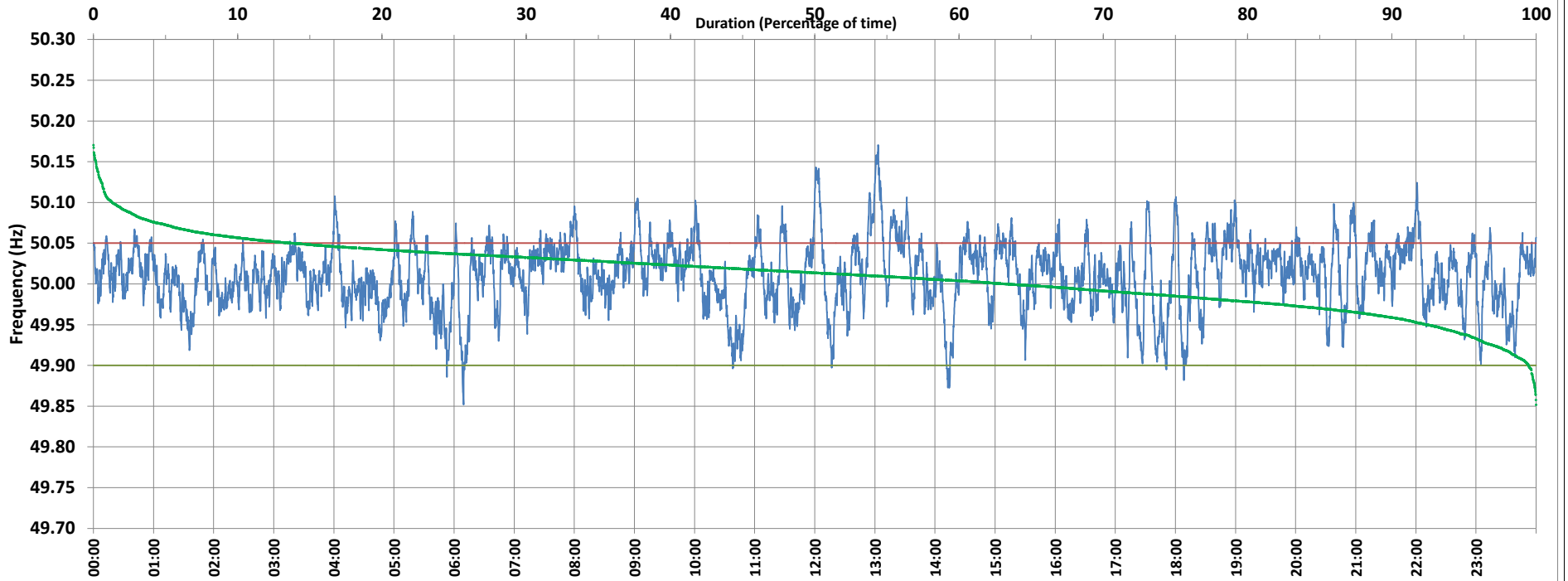


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Oct-2020 (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 | 0.54 | 14.86 | 0.00 | 0.54 | 36.08 | 62.07 | 1.31 | 85.63 | 100.00 | 52.35 | 12.59 | 63.29 | 32.79 | 13.83 | 0.00 | 7.56 | 78.61 | 7.01 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.011 | Frequency Variation Index : 0.0176 | Standard Deviation : 0.0406 | Mileage: 49.9 | FDI: 14.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.171 13:03:10 |
| Min | 49.852 6:09:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.072 | 13:15:00 |
| Min | 49.942 | 10:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 247 |
| below 49.97 Hz | 144 |
| above 50.00 Hz | 222 |
| below 50.00 Hz | 221 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:01:29 |
| above 50.03 | 0:01:55 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:27:00 |
|---|---------|

Source : SLPR4:Frequency 10 Sec. (8640 samples)