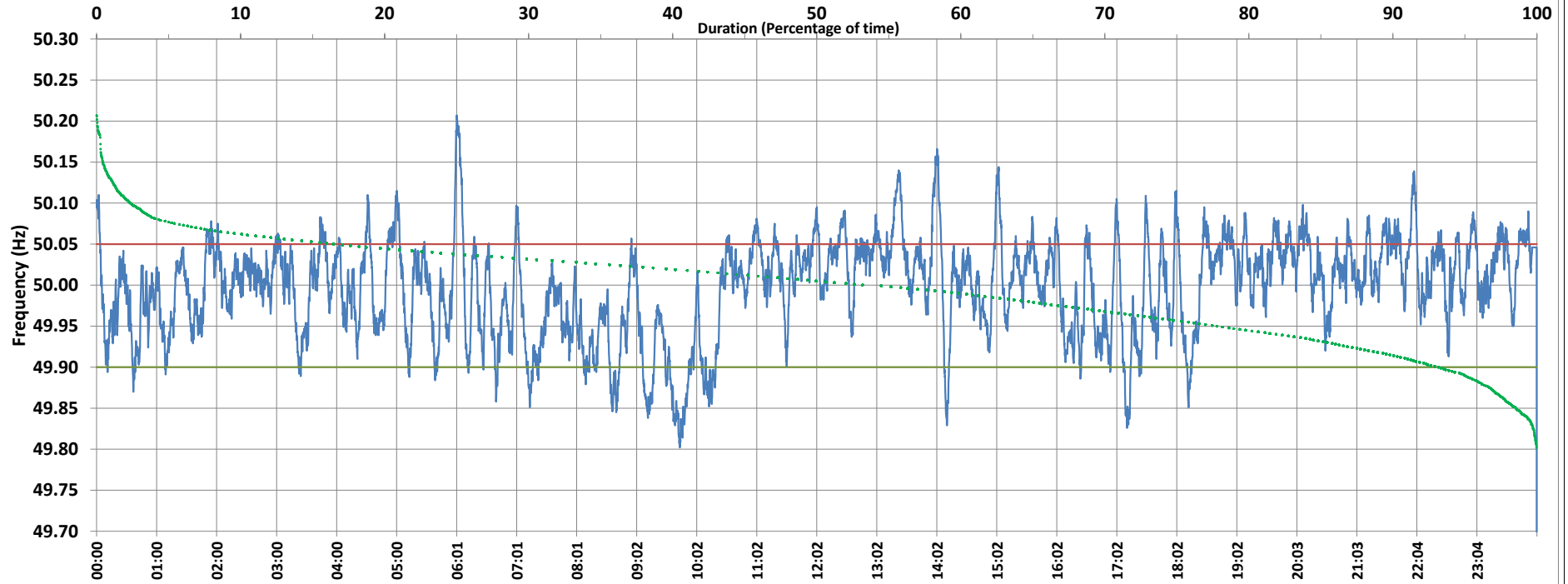


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Dec-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 |
| 0.00 | 6.64 | 30.36 | 0.00 | 6.64 | 38.87 | 52.05 | 2.38 | 76.91 | 99.94 | 38.00 | 14.75 | 53.17 | 31.63 | 16.44 | 0.06 | 21.82 | 61.74 | 15.17 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.997 | Frequency Variation Index : 2.9289 | Standard Deviation : 0.5411 | Mileage: 48.5 | FDI: 23.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|---------|
| Max | 50.207 | 6:01:40 |
| Min | 49.802 | 9:45:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.086 | 13:30:00 |
| Min | 49.495 | 0:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 153 |
| below 49.97 Hz | 94 |
| above 50.00 Hz | 123 |
| below 50.00 Hz | 119 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:39 |
| above 50.03 | 0:02:59 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:32:30 |
|---|---------|

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