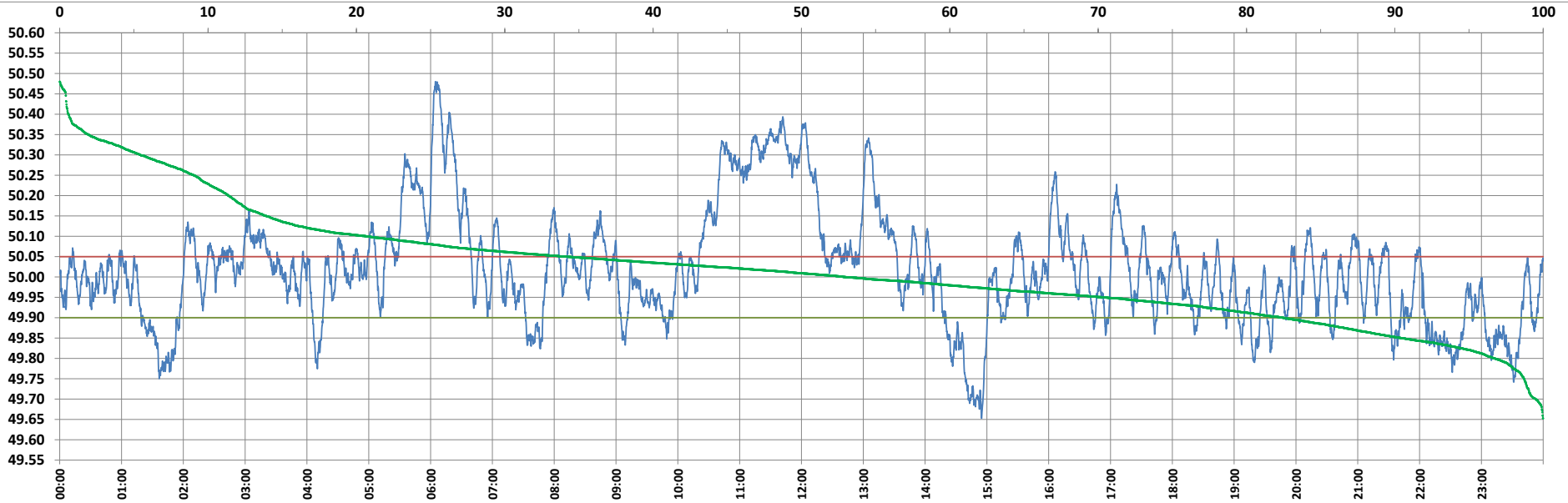


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 27-Dec-2022 (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 |
| 0.49 | 17.55 | 36.90 | 2.78 | 14.28 | 29.51 | 32.21 | 9.35 | 48.28 | 88.14 | 20.87 | 13.46 | 52.94 | 42.23 | 34.18 | 11.38 | 29.64 | 36.18 | 12.09 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.019 | Frequency Variation Index : 0.1924 | Standard Deviation : 0.1375 | Mileage: 50.2 | FDI: 51.7 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.480 | 6:04:40 |
| Min | 49.653 | 14:54:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.387 | 6:15:00 |
| Min | 49.721 | 15:00:00 |

| No. of excursions | |
|-------------------|----|
| above 50.03 Hz | 99 |
| below 49.97 Hz | 91 |
| above 50.00 Hz | 93 |
| below 50.00 Hz | 92 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:05:50 |
| above 50.03 | 0:06:09 |

| | |
|---|----------|
| No. of hours freq outside 49.9-50.05 Hz | 12:24:50 |
|---|----------|

Source : AGRA 10 Sec. (8640 samples)