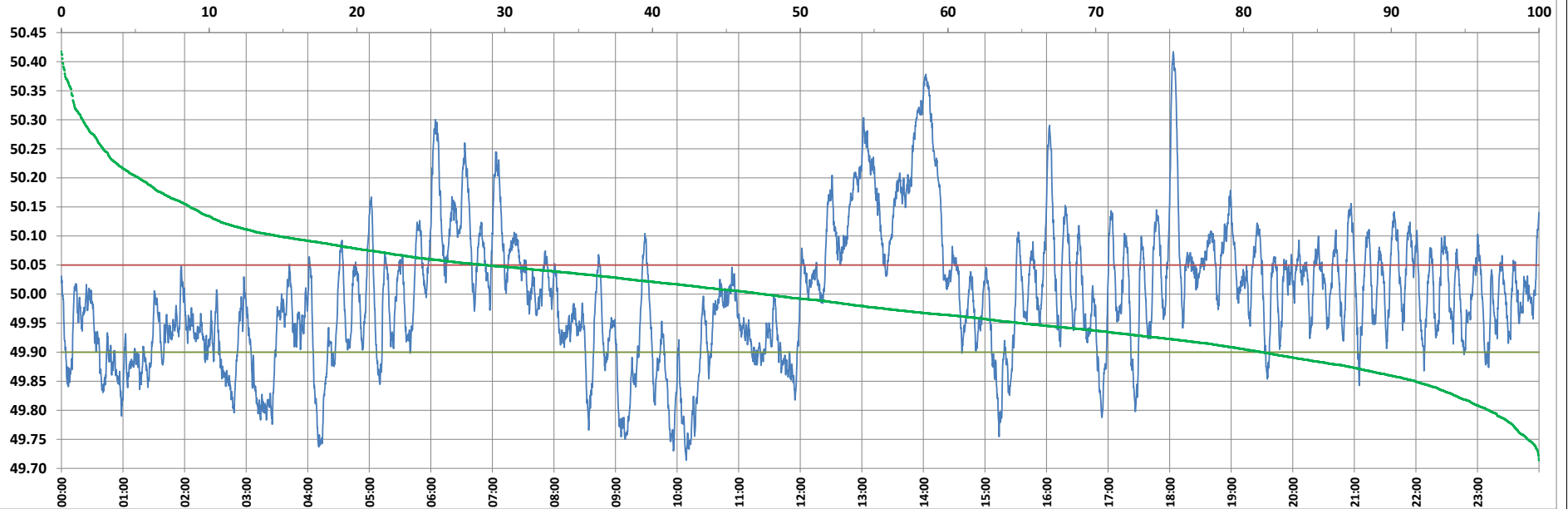


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 29-Jan-2023 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 18.70 | 42.49 | 3.39 | 15.31 | 33.77 | 32.88 | 9.41 | 52.57 | 94.77 | 20.64 | 14.09 | 47.52 | 36.88 | 28.73 | 5.23 | 35.02 | 36.25 | 16.32 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.997 | Frequency Variation Index : 0.1273 | Standard Deviation : 0.1130 | Mileage: 50.5 | FDI: 47.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.417 | 18:03:30 |
| Min | 49.714 | 10:08:50 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.297 | 14:15:00 |
| Min | 49.788 | 10:15:00 |

| No. of excursions | |
|-------------------|----|
| above 50.03 Hz | 93 |
| below 49.97 Hz | 94 |
| above 50.00 Hz | 91 |
| below 50.00 Hz | 90 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:06:31 |
| above 50.03 | 0:05:43 |

| | |
|---|----------|
| No. of hours freq outside 49.9-50.05 Hz | 11:23:00 |
|---|----------|

Source : AGRA 10 Sec. (8640 samples)