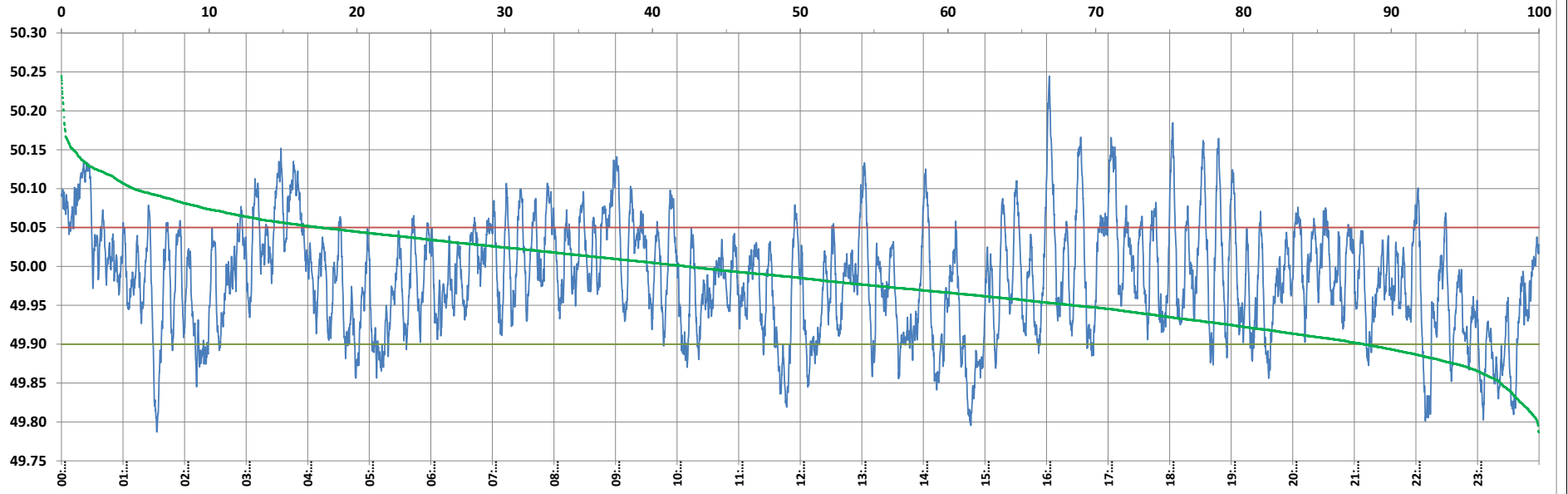


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 12-May-2023 (Friday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 11.86 | 41.99 | 0.10 | 11.76 | 45.83 | 37.41 | 4.72 | 70.64 | 99.83 | 30.96 | 12.60 | 42.30 | 27.05 | 17.50 | 0.17 | 31.53 | 50.97 | 19.66 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.985 | Frequency Variation Index : 0.0515 | Standard Deviation : 0.0704 | Mileage: 48.6 | FDI: 29.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.245 | 16:02:40 |
| Min | 49.787 | 1:33:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.109 | 0:30:00 |
| Min | 49.862 | 15:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 119 |
| below 49.97 Hz | 136 |
| above 50.00 Hz | 140 |
| below 50.00 Hz | 139 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:27 |
| above 50.03 | 0:03:16 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:02:50 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)