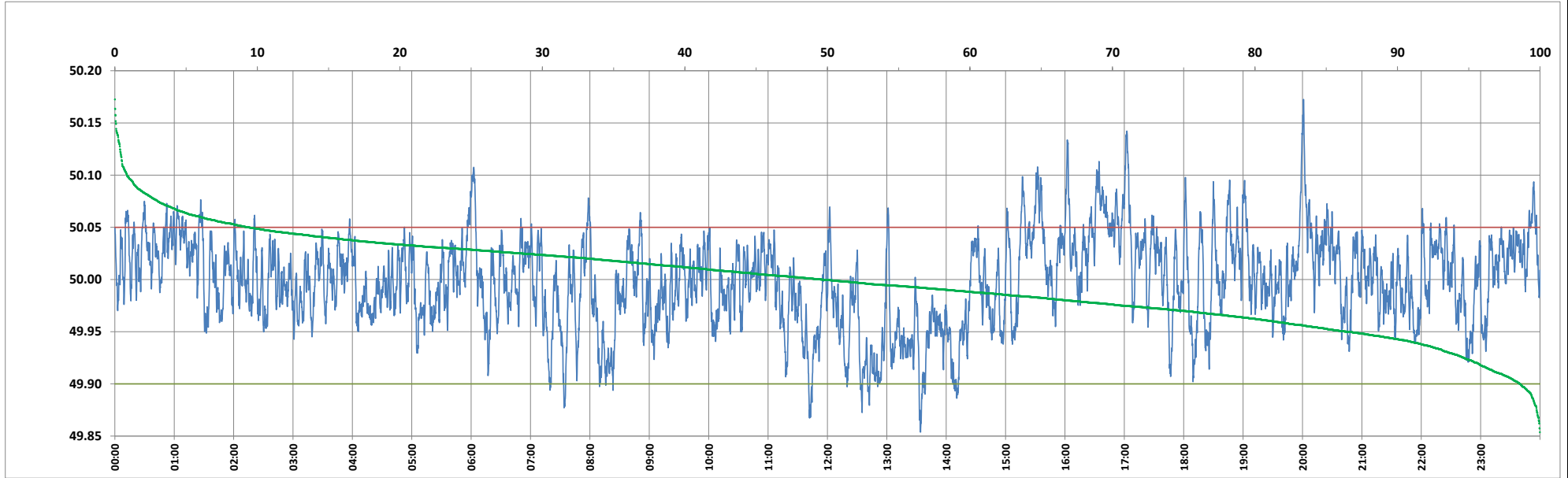


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-May-2024 (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 | 1.40 | 25.07 | 0.00 | 1.40 | 48.98 | 48.75 | 0.87 | 89.21 | 100.00 | 51.39 | 8.52 | 49.61 | 23.54 | 9.39 | 0.00 | 13.50 | 77.12 | 12.09 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.998 | Frequency Variation Index : 0.0185 | Standard Deviation : 0.0431 | Mileage: 44.0 | FDI: 10.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.173 20:01:00 |
| Min | 49.854 13:34:00 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.073 16:45:00 |
| Min | 49.922 12:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 207 |
| below 49.97 Hz | 159 |
| above 50.00 Hz | 215 |
| below 50.00 Hz | 215 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:16 |
| above 50.03 | 0:01:38 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 2:35:20 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)