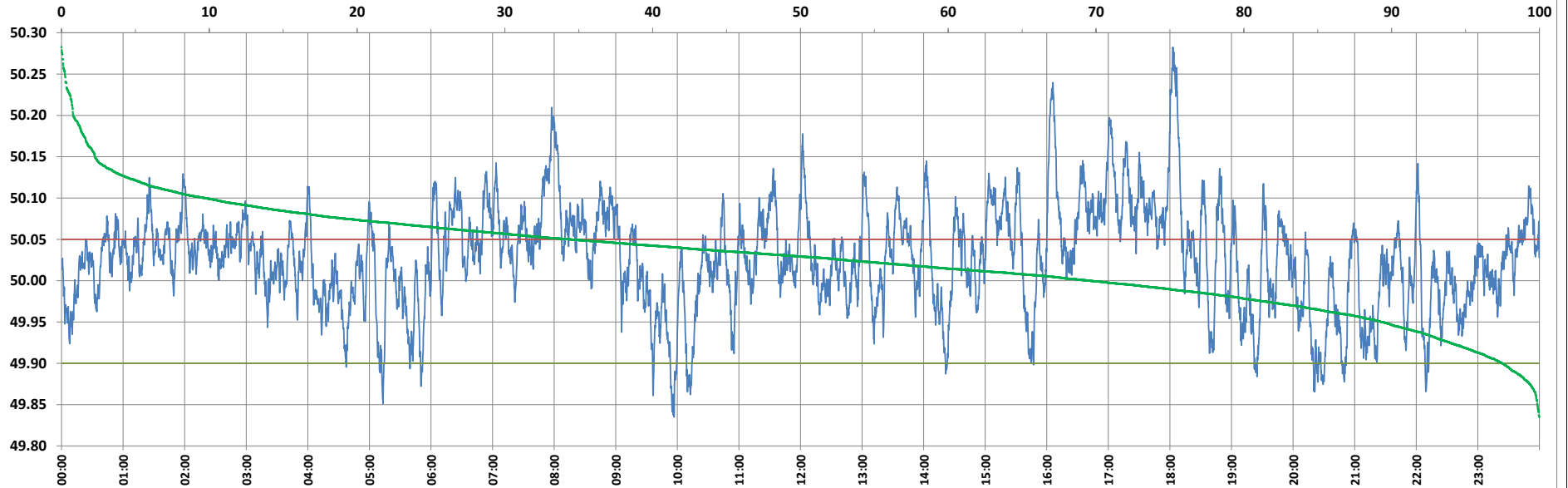


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 31-May-2023 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 2.50 | 16.69 | 0.00 | 2.50 | 27.97 | 59.81 | 8.92 | 63.10 | 99.21 | 33.89 | 24.69 | 69.53 | 49.42 | 34.40 | 0.79 | 10.71 | 54.90 | 8.21 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.027 | Frequency Variation Index : 0.0448 | Standard Deviation : 0.0615 | Mileage: 46.1 | FDI: 36.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.283 | 18:02:50 |
| Min | 49.835 | 9:56:50 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.163 | 18:15:00 |
| Min | 49.908 | 20:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 155 |
| below 49.97 Hz | 78 |
| above 50.00 Hz | 131 |
| below 50.00 Hz | 130 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:05 |
| above 50.03 | 0:04:35 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:51:20 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)