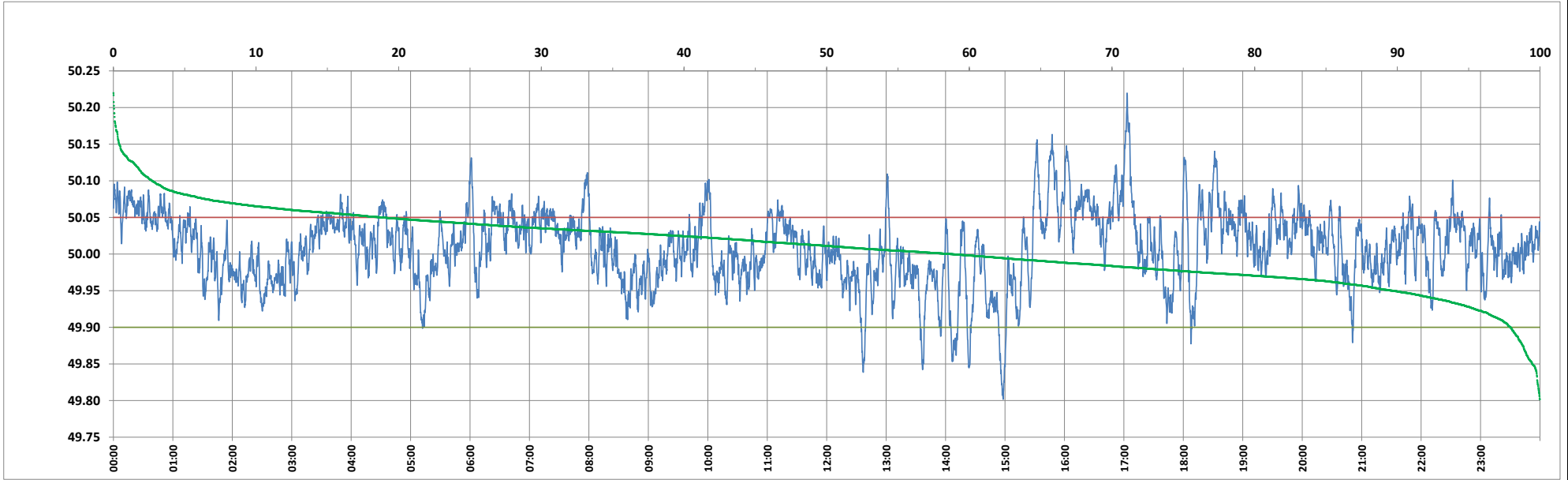


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 14-May-2024 (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 |
| 0.00 | 2.05 | 19.65 | 0.00 | 2.05 | 39.26 | 55.97 | 2.67 | 79.07 | 99.95 | 45.30 | 16.17 | 58.69 | 35.05 | 18.88 | 0.05 | 10.29 | 70.83 | 8.24 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.009 | Frequency Variation Index : 0.0252 | Standard Deviation : 0.0495 | Mileage: 45.1 | FDI: 20.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.220 17:03:10 |
| Min | 49.802 14:58:00 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.098 17:15:00 |
| Min | 49.894 15:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 206 |
| below 49.97 Hz | 150 |
| above 50.00 Hz | 177 |
| below 50.00 Hz | 176 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:01:53 |
| above 50.03 | 0:02:27 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:01:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)