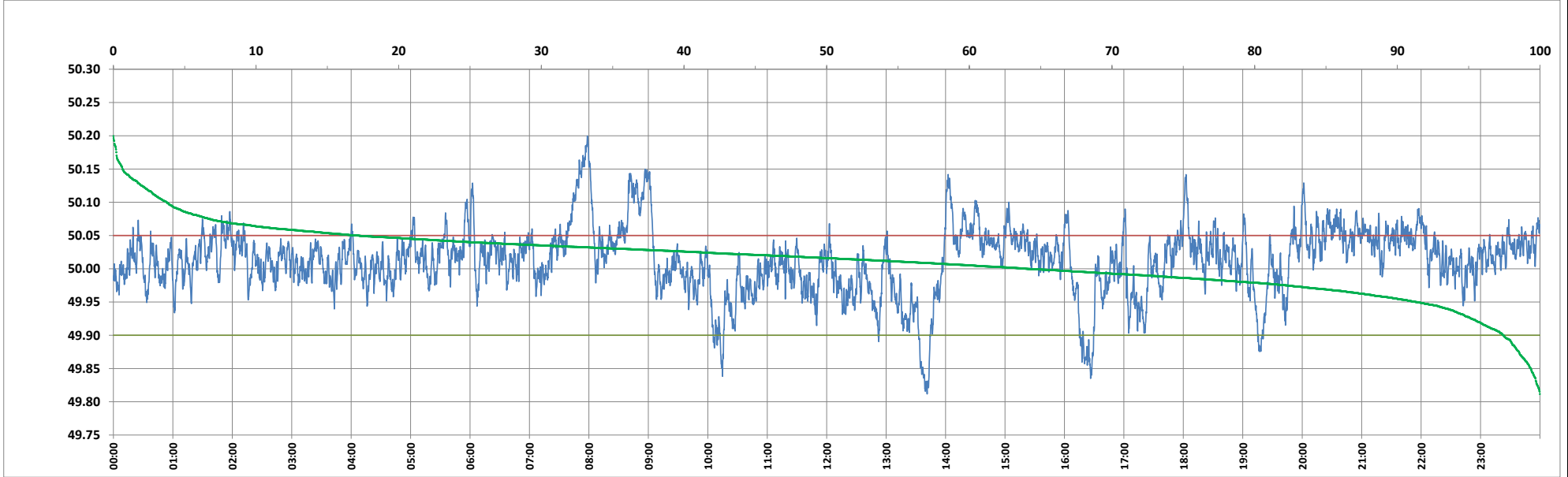


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-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 | 2.58 | 15.50 | 0.00 | 2.58 | 33.38 | 60.28 | 3.76 | 80.30 | 100.00 | 48.75 | 13.36 | 64.04 | 35.75 | 17.12 | 0.00 | 8.65 | 74.24 | 6.06 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.012 | Frequency Variation Index : 0.0258 | Standard Deviation : 0.0493 | Mileage: 44.5 | FDI: 19.7 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.200 | 7:58:20 |
| Min | 49.812 | 13:41:20 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.150 | 8:00:00 | |
| Min | 49.865 | 13:45:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 227 |
| below 49.97 Hz | 109 |
| above 50.00 Hz | 203 |
| below 50.00 Hz | 203 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:03 |
| above 50.03 | 0:02:16 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:43:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)