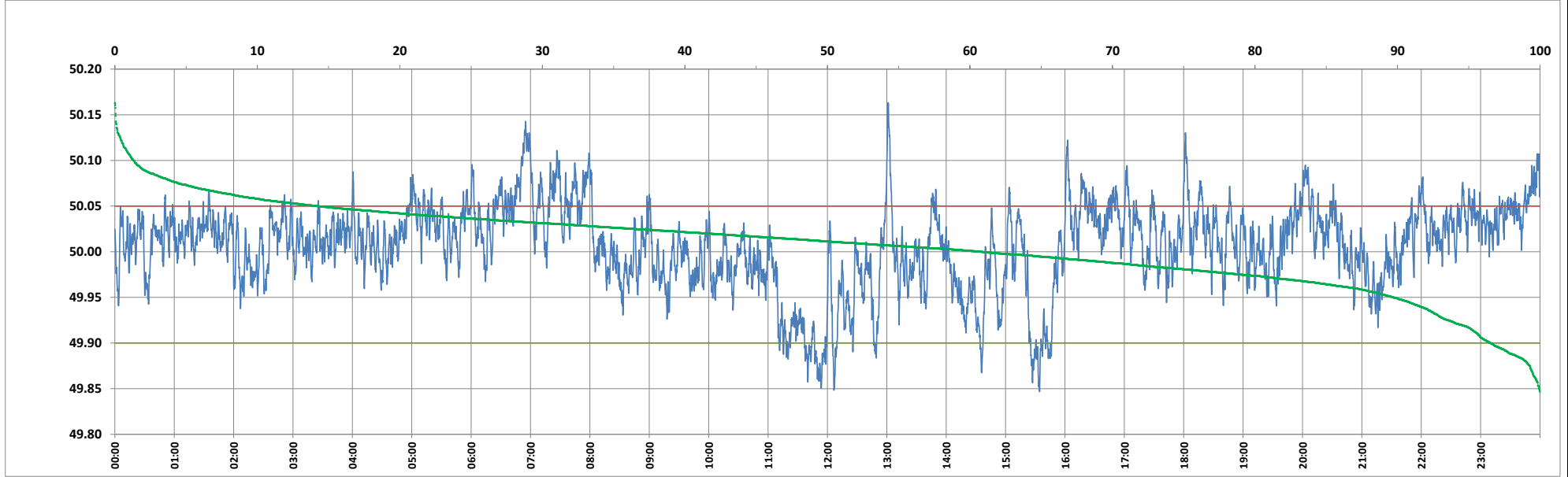


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 18-May-2024 (Saturday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 3.47 | 17.92 | 0.00 | 3.47 | 35.73 | 59.46 | 1.34 | 82.30 | 100.00 | 50.49 | 12.88 | 60.80 | 31.60 | 14.22 | 0.00 | 10.29 | 75.49 | 6.82 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.006 | Frequency Variation Index : 0.0215 | Standard Deviation : 0.0460 | Mileage: 43.1 | FDI: 17.7 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.163 13:01:10 |
| Min | 49.847 15:34:20 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.100 7:00:00 |
| Min | 49.885 12:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 206 |
| below 49.97 Hz | 123 |
| above 50.00 Hz | 196 |
| below 50.00 Hz | 195 |

| Average time freq remains | |
|---------------------------|---------|
| below 49.97 | 0:02:06 |
| above 50.03 | 0:02:13 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:14:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)