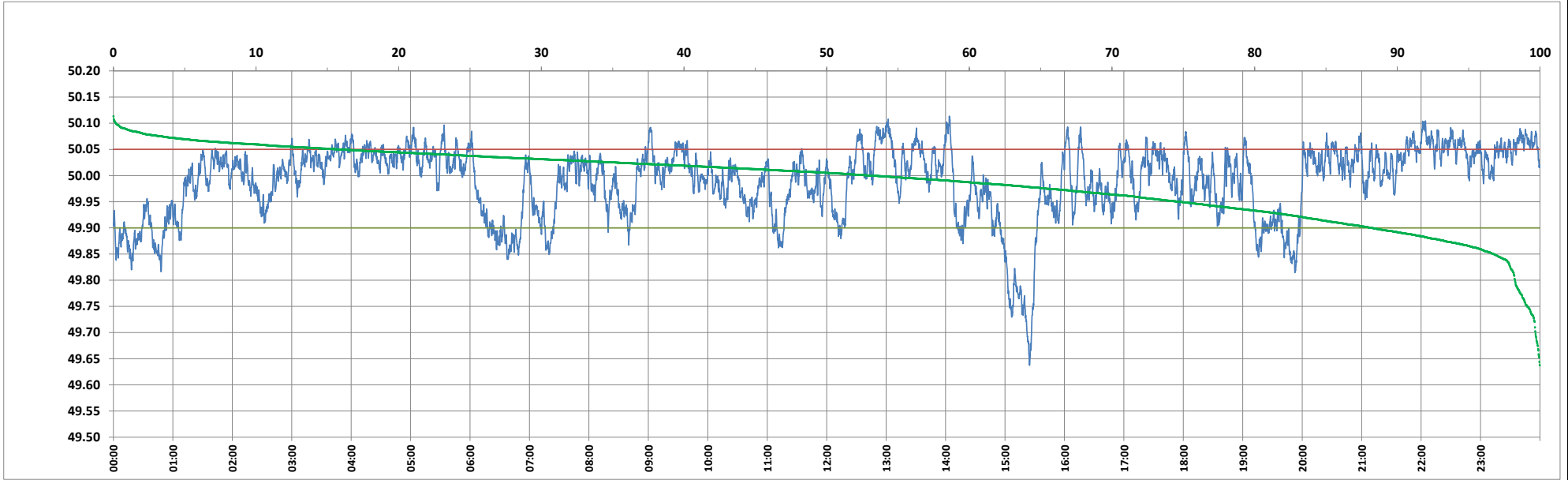


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Jul-2024 (Monday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 0.31 | 11.81 | 32.49 | 1.44 | 10.06 | 35.08 | 52.94 | 0.17 | 72.30 | 99.69 | 36.33 | 15.72 | 53.10 | 31.18 | 15.89 | 0.00 | 25.28 | 58.83 | 13.47 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.988 | Frequency Variation Index : 0.0480 | Standard Deviation : 0.0683 | Mileage: 44.8 | FDI: 27.7 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.114 14:03:50 |
| Min | 49.637 15:24:40 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.069 22:15:00 |
| Min | 49.728 15:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 177 |
| below 49.97 Hz | 98 |
| above 50.00 Hz | 137 |
| below 50.00 Hz | 136 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:46 |
| above 50.03 | 0:02:32 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:38:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)