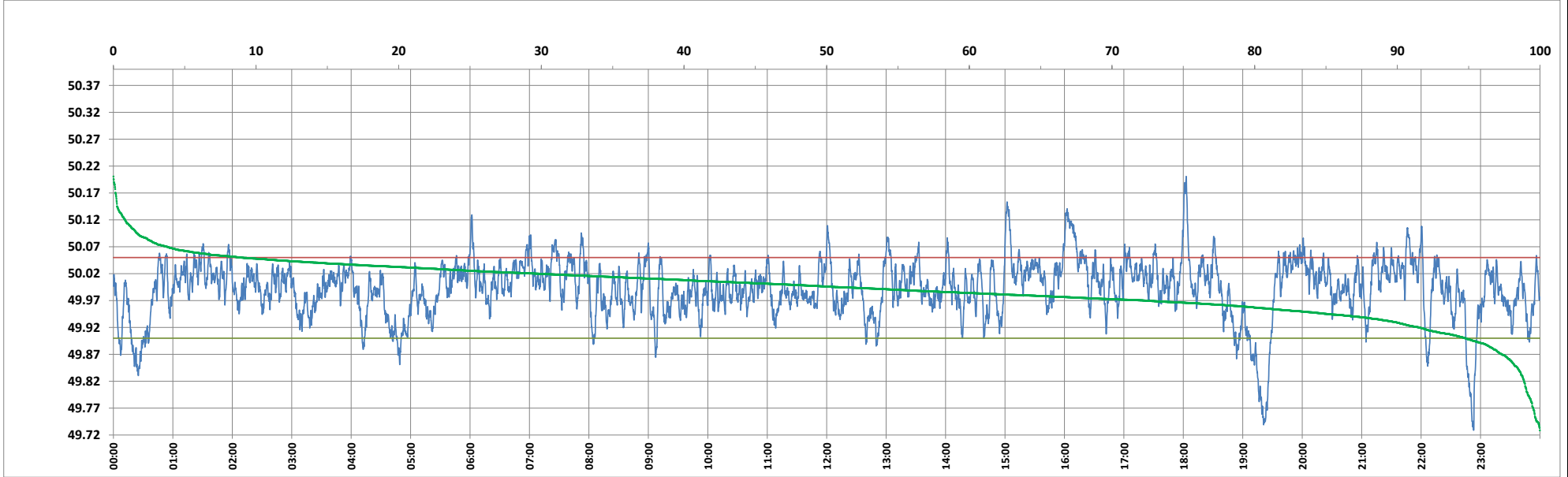


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 27-Apr-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 | 5.24 | 27.63 | 0.91 | 4.33 | 47.67 | 45.58 | 1.49 | 85.80 | 99.99 | 50.60 | 7.45 | 47.08 | 21.77 | 8.96 | 0.01 | 16.77 | 74.27 | 11.53 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.992 | Frequency Variation Index : 0.0293 | Standard Deviation : 0.0536 | Mileage: 45.5 | FDI: 14.2 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.201 | 18:02:50 |
| Min | 49.729 | 22:53:00 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.096 | 16:15:00 | |
| Min | 49.807 | 19:30:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 171 |
| below 49.97 Hz | 162 |
| above 50.00 Hz | 205 |
| below 50.00 Hz | 205 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:27 |
| above 50.03 | 0:01:50 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:24:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)