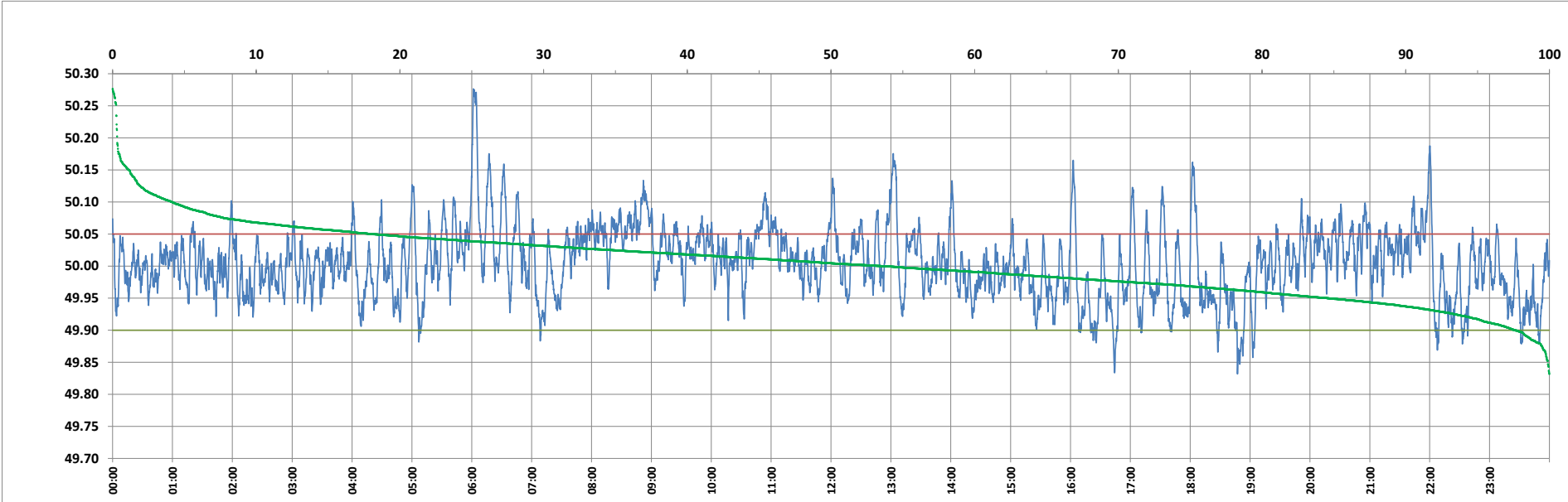


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 10-Feb-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  | 2.42   | 25.71  | 0.00      | 2.42      | 43.99     | 49.44     | 3.82      | 79.53       | 99.68     | 43.18       | 13.91      | 53.59 | 31.11  | 18.06  | 0.32  | 15.45  | 66.49       | 13.03       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.005 | Frequency Variation Index : 0.0299 | Standard Deviation : 0.0546 | Mileage: 49.6 | FDI: 20.5 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.276 | 6:01:30  |
| Min                     | 49.832 | 18:47:20 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.118 | 6:15:00  |
| Min                         | 49.920 | 19:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 173 |
| below 49.97 Hz    | 147 |
| above 50.00 Hz    | 189 |
| below 50.00 Hz    | 188 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:31 |
| above 50.03                             | 0:02:35 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:54:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)