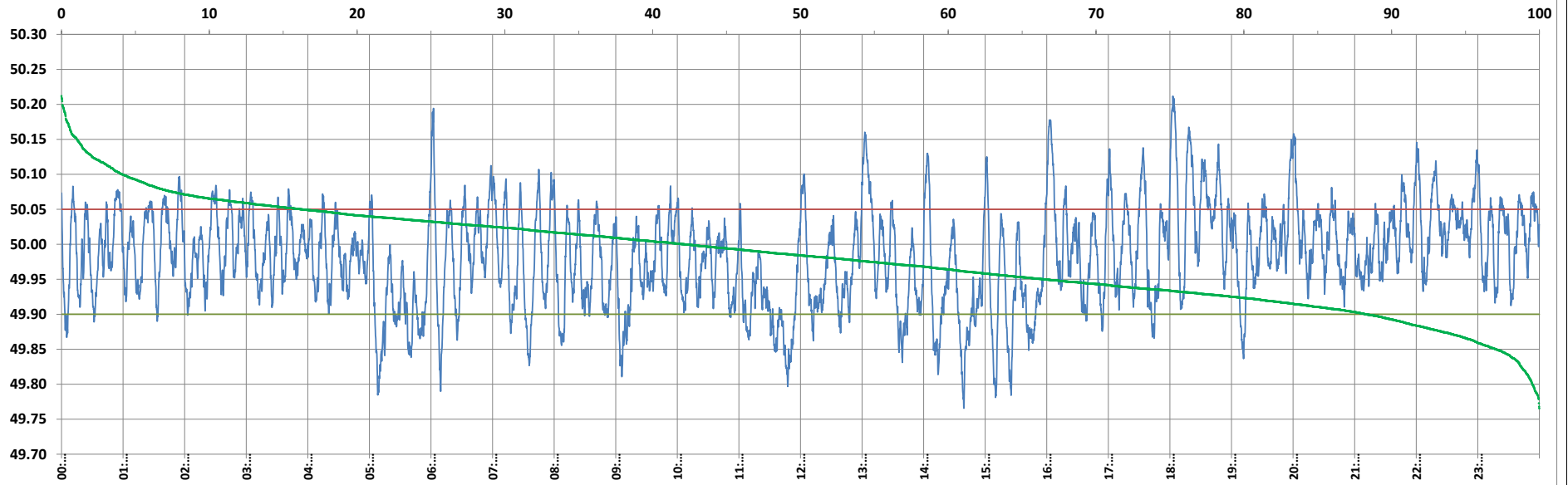


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 24-Apr-2023 (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 |
| 0.00  | 11.76  | 42.73  | 0.47      | 11.28     | 46.05     | 38.08     | 4.05      | 72.00       | 99.94     | 30.98       | 12.13      | 42.19 | 26.28  | 16.24  | 0.06  | 33.53  | 50.23       | 21.77       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.983 | Frequency Variation Index : 0.0515 | Standard Deviation : 0.0698 | Mileage: 50.4 | FDI: 28.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.212 | 18:02:50 |
| Min                     | 49.766 | 14:39:10 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.073 | 18:30:00 |
| Min                         | 49.874 | 14:45:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 138 |
| below 49.97 Hz    | 127 |
| above 50.00 Hz    | 144 |
| below 50.00 Hz    | 143 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:51 |
| above 50.03                             | 0:02:45 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:43:10 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)