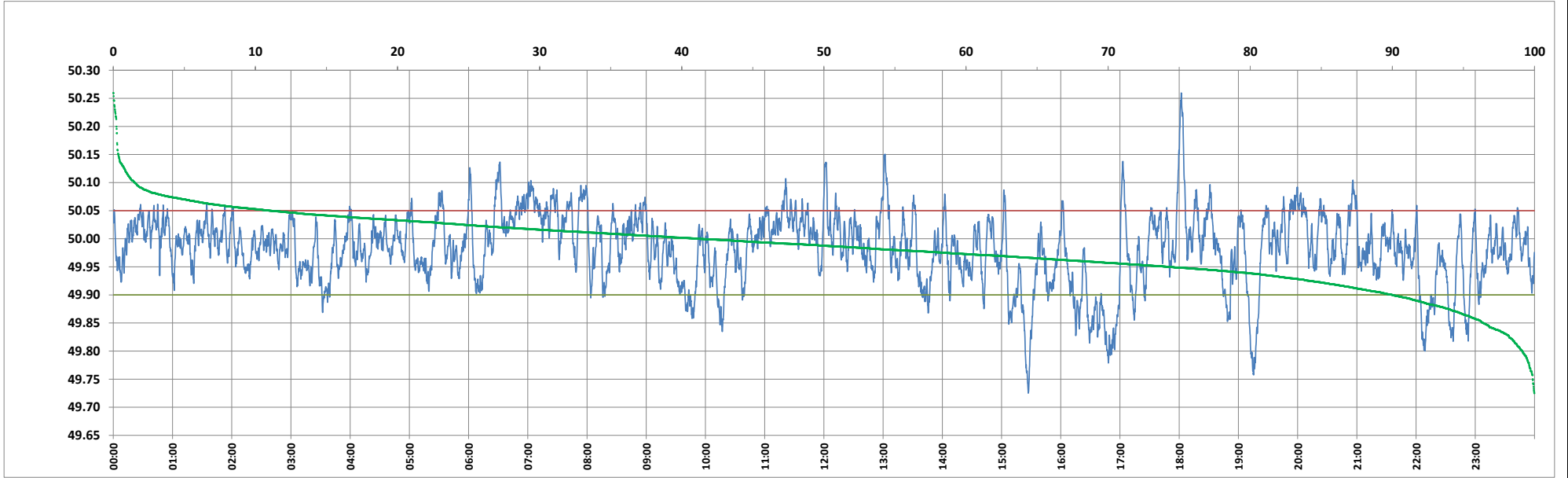


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Apr-2024 (Thursday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 10.00  | 37.96  | 0.86      | 9.14      | 48.78     | 39.71     | 1.28      | 78.96       | 99.78     | 40.16       | 9.54       | 41.22 | 21.88  | 11.04  | 0.22  | 25.80  | 63.16       | 15.80       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.982 | Frequency Variation Index : 0.0425 | Standard Deviation : 0.0627 | Mileage: 47.0 | FDI: 21.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.260 18:02:00 |
| Min                     | 49.725 15:27:00 |

| 15 minute Average Frequency |                 |
|-----------------------------|-----------------|
| Max                         | 50.078 18:15:00 |
| Min                         | 49.829 17:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 141 |
| below 49.97 Hz    | 150 |
| above 50.00 Hz    | 173 |
| below 50.00 Hz    | 172 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:03:39 |
| above 50.03                             | 0:02:14 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:03:00 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)