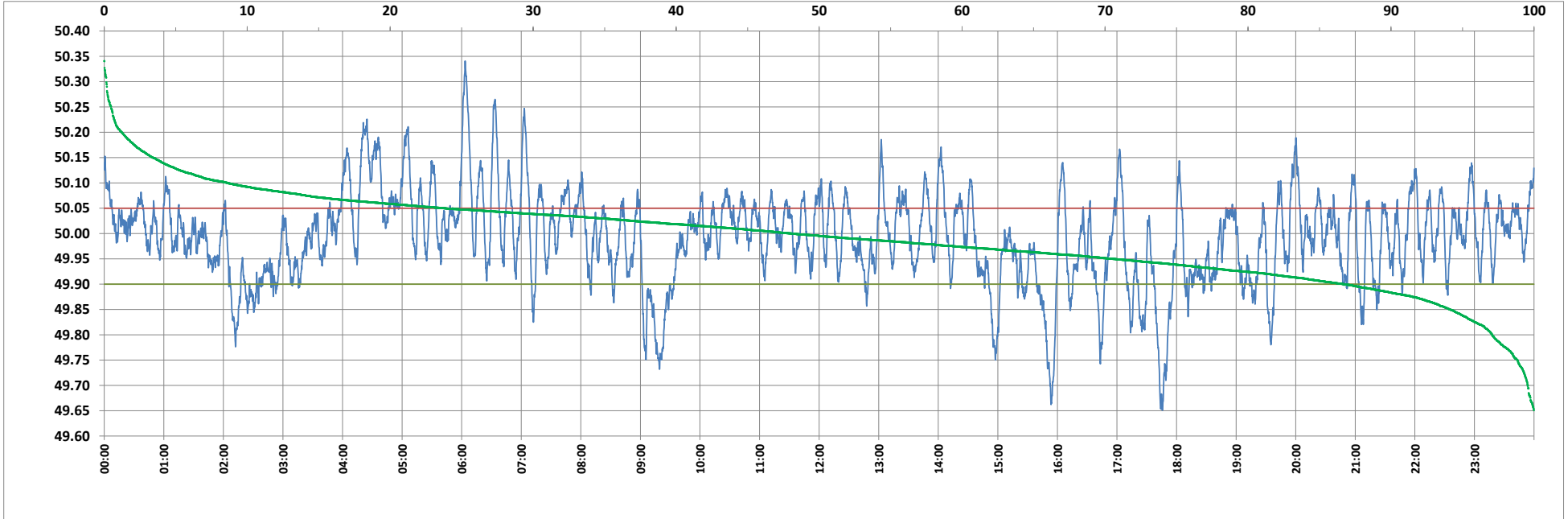


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-Jan-2023 (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 |
| 0.44  | 13.30  | 38.18  | 2.48      | 10.38     | 38.60     | 39.48     | 7.41      | 62.96       | 98.34     | 27.09       | 15.12      | 48.10 | 34.72  | 23.74  | 1.22  | 29.47  | 46.79       | 16.17       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.991 | Frequency Variation Index : 0.0809 | Standard Deviation : 0.0896 | Mileage: 50.8 | FDI: 37.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.341 | 6:03:30  |
| Min                     | 49.651 | 17:45:40 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.152 | 6:15:00  |
| Min                         | 49.777 | 16:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 116 |
| below 49.97 Hz    | 120 |
| above 50.00 Hz    | 119 |
| below 50.00 Hz    | 118 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:35 |
| above 50.03                             | 0:04:19 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:53:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)