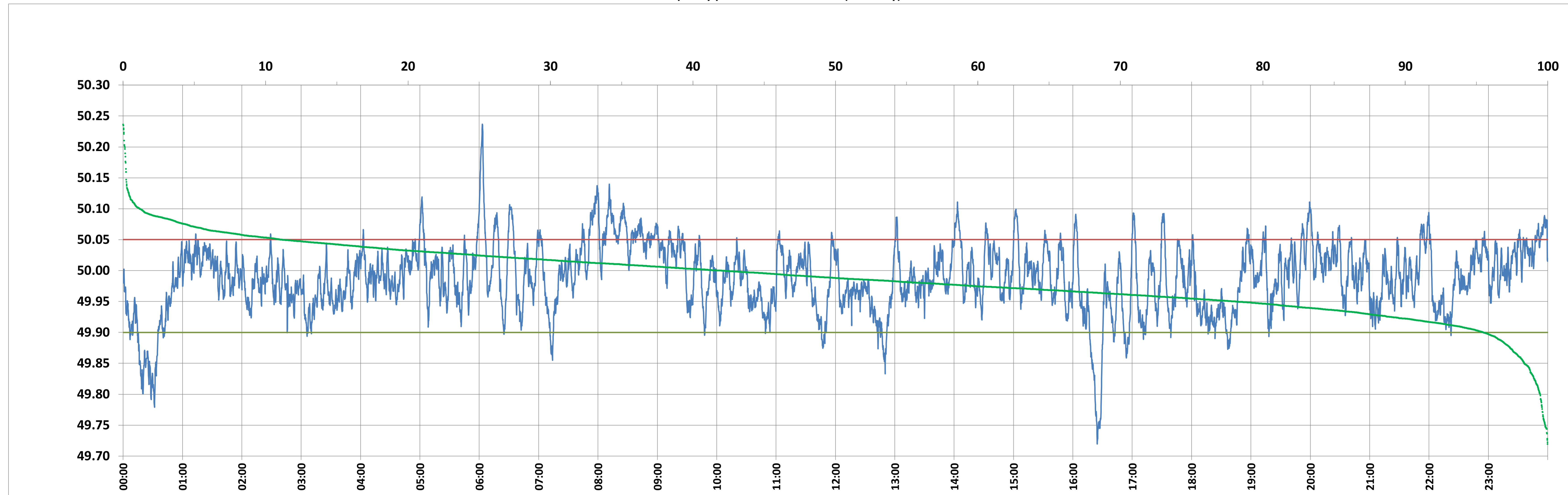


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-Dec-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  | 4.49   | 35.88  | 0.52      | 3.97      | 53.39     | 40.95     | 1.05      | 84.21       | 99.88     | 42.35       | 10.13      | 42.12 | 21.77  | 11.30  | 0.12  | 21.88  | 66.83       | 17.38       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.988 | Frequency Variation Index : 0.0315 | Standard Deviation : 0.0549 | Mileage: 50.1 | FDI: 15.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.237 6:03:00  |
| Min                     | 49.720 16:24:30 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.072 | 8:30:00  |
| Min                         | 49.821 | 16:30:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 164 |
| below 49.97 Hz    | 186 |
| above 50.00 Hz    | 186 |
| below 50.00 Hz    | 186 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:47 |
| above 50.03                             | 0:01:55 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:47:20 |
|---|---------|

Source : BARH 10 Sec. (8640 samples)