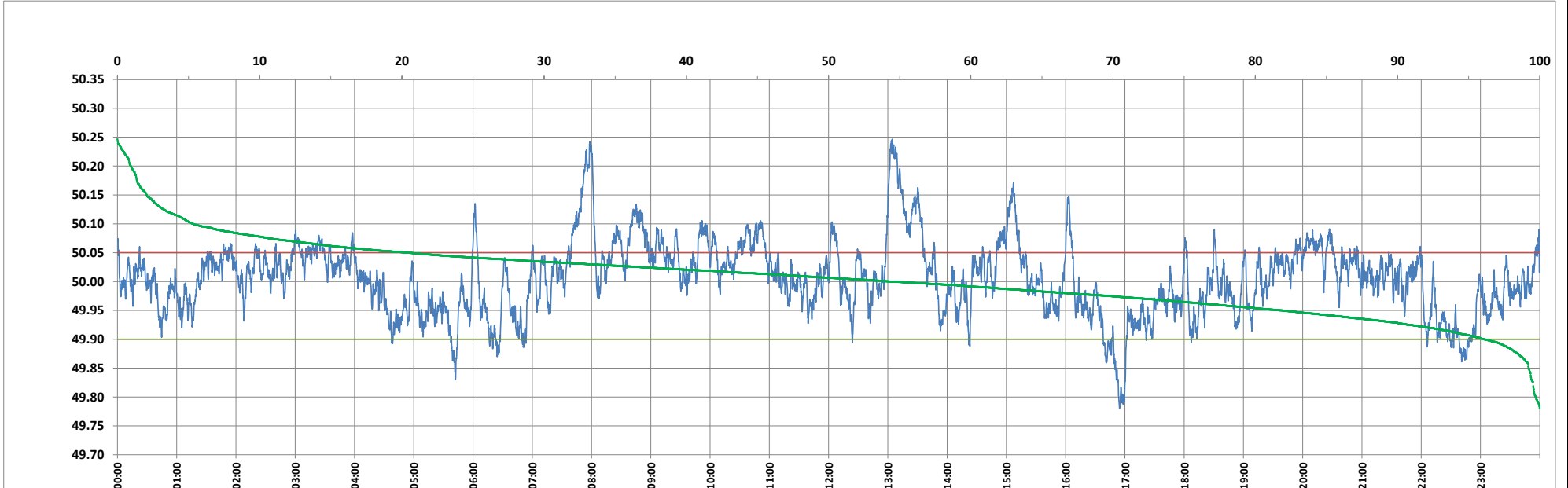


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 09-Sep-2024 (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  | 3.91   | 27.60  | 0.28      | 3.63      | 41.67     | 49.10     | 4.39      | 75.72       | 99.06     | 39.20       | 15.05      | 54.42 | 33.19  | 20.37  | 0.94  | 18.11  | 61.52       | 14.20       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.005 | Frequency Variation Index : 0.0395 | Standard Deviation : 0.0628 | Mileage: 45.3 | FDI: 24.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.247 13:04:20 |
| Min                     | 49.780 16:54:30 |

| 15 minute Average Frequency |                 |
|-----------------------------|-----------------|
| Max                         | 50.199 13:15:00 |
| Min                         | 49.837 17:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 157 |
| below 49.97 Hz    | 107 |
| above 50.00 Hz    | 168 |
| below 50.00 Hz    | 167 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:03:43 |
| above 50.03                             | 0:03:03 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:49:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)