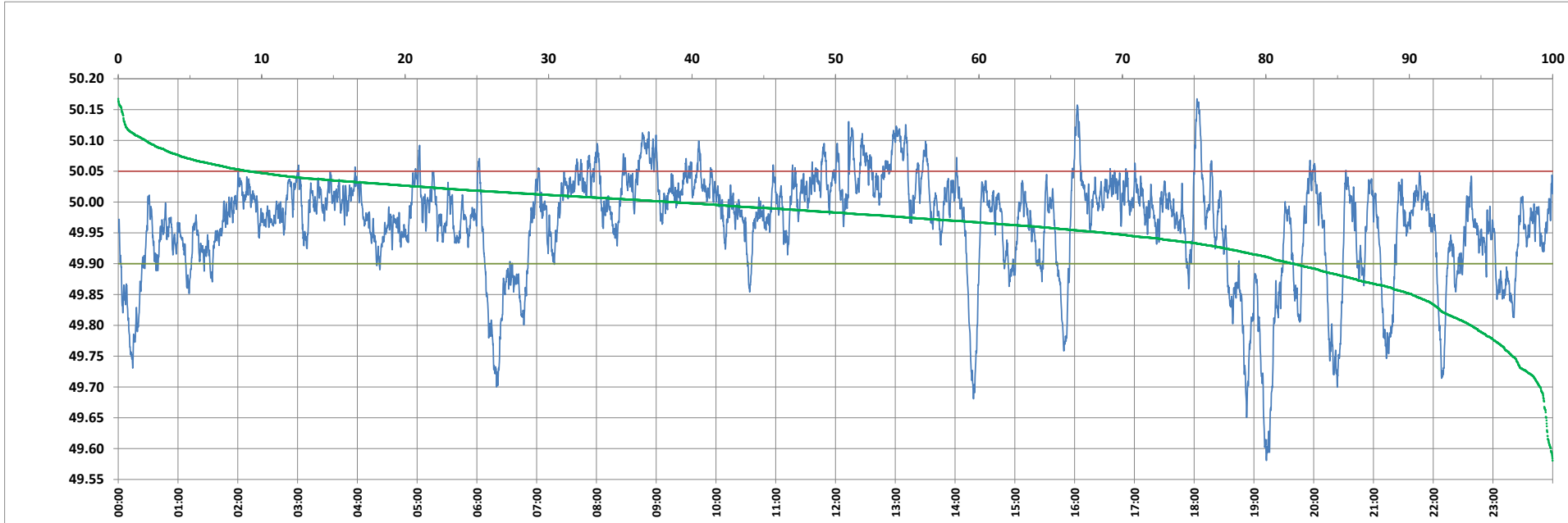


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Aug-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 |
| 0.89  | 18.06  | 41.96  | 4.81      | 12.35     | 43.31     | 36.72     | 1.91      | 72.88       | 99.11     | 39.94       | 7.15       | 38.63 | 18.10  | 9.06   | 0.00  | 31.20  | 59.73       | 13.15       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.965 | Frequency Variation Index : 0.0831 | Standard Deviation : 0.0842 | Mileage: 45.2 | FDI: 27.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.167 | 18:02:50 |
| Min                     | 49.581 | 19:12:30 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.086 | 9:00:00  |
| Min                         | 49.733 | 19:15:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 127 |
| below 49.97 Hz    | 146 |
| above 50.00 Hz    | 165 |
| below 50.00 Hz    | 165 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:08 |
| above 50.03                             | 0:02:03 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:30:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)