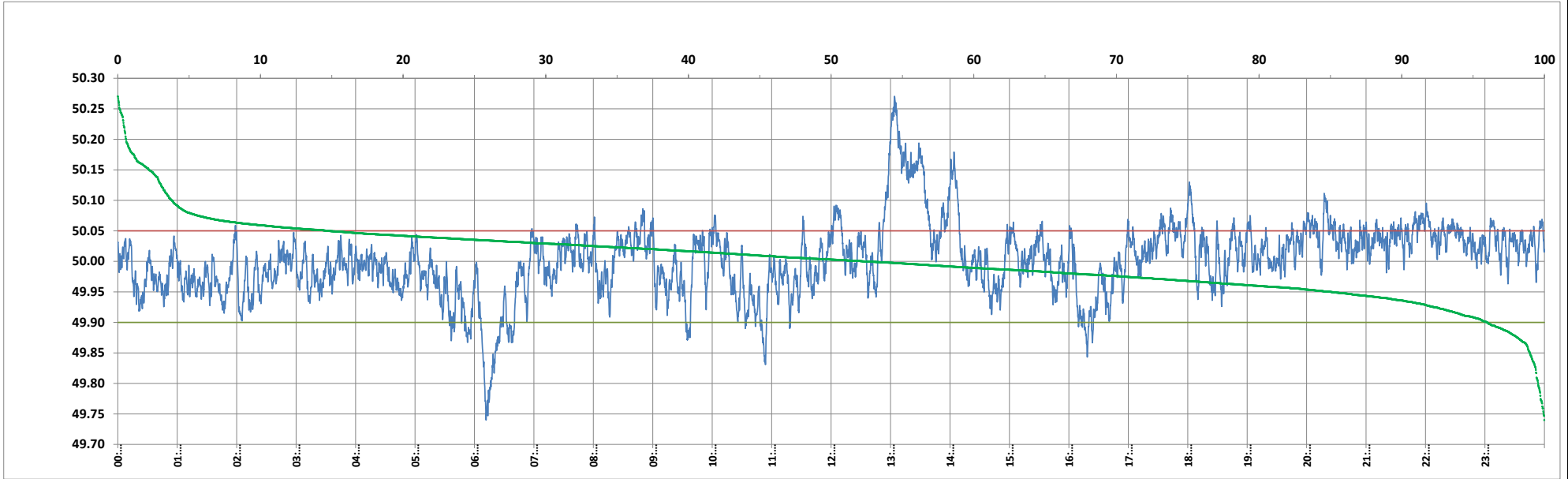


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-Aug-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  | 4.00   | 26.22  | 0.44      | 3.56      | 43.62     | 48.59     | 3.21      | 81.24       | 99.42     | 44.49       | 10.97      | 52.37 | 29.29  | 14.76  | 0.58  | 14.94  | 70.30       | 10.94       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.002 | Frequency Variation Index : 0.0341 | Standard Deviation : 0.0585 | Mileage: 46.0 | FDI: 18.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.271 13:04:00 |
| Min                     | 49.740 6:11:40  |

| 15 minute Average Frequency |                 |
|-----------------------------|-----------------|
| Max                         | 50.209 13:15:00 |
| Min                         | 49.858 6:30:00  |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 186 |
| below 49.97 Hz    | 141 |
| above 50.00 Hz    | 175 |
| below 50.00 Hz    | 174 |

| Average time freq remains |         |
|---------------------------|---------|
| below 49.97               | 0:02:41 |
| above 50.03               | 0:02:16 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:30:10 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)