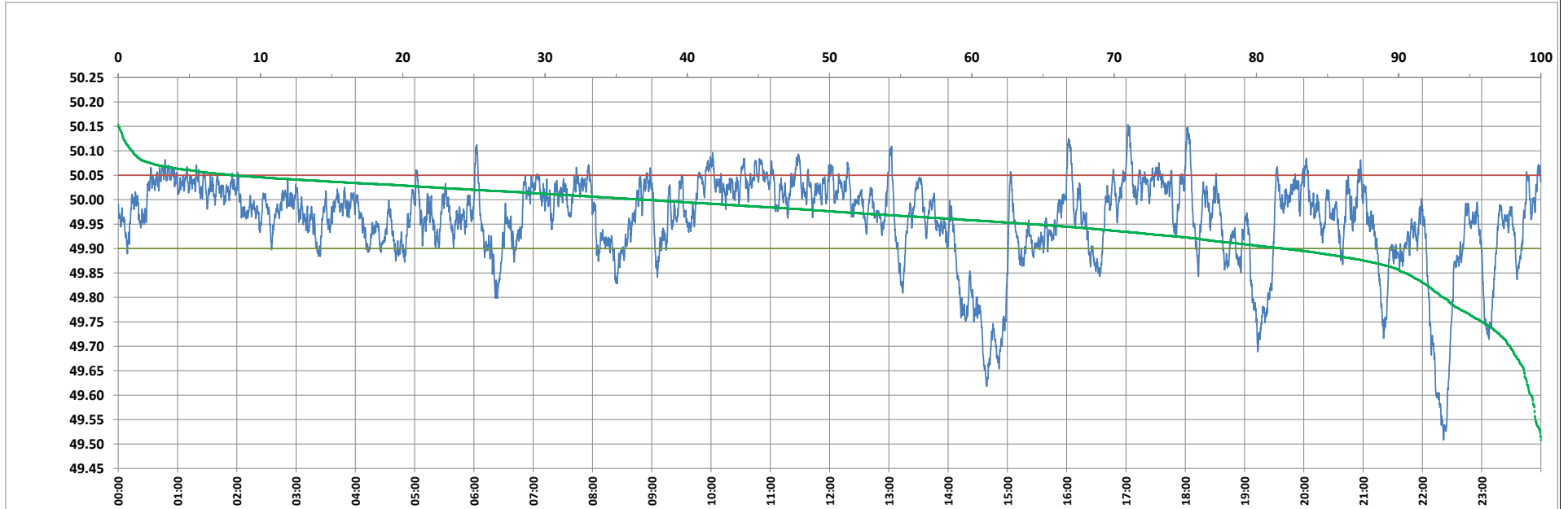


GRID CONTROLLER OF INDIA LIMITED  
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 29-Aug-2023 (Tuesday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 2.18  | 18.06  | 46.76  | 4.70      | 11.18     | 45.02     | 35.95     | 0.97      | 73.84       | 97.82     | 33.70       | 7.13       | 36.92 | 19.54  | 8.10   | 0.00  | 35.87  | 56.03       | 17.81       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.959 | Frequency Variation Index : 0.0990 | Standard Deviation : 0.0906 | Mileage: 47.9 | FDI: 26.2 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.154 | 17:01:50 |
| Min                     | 49.508 | 22:21:30 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.063 | 17:15:00 |
| Min                         | 49.595 | 22:30:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 149 |
| below 49.97 Hz    | 138 |
| above 50.00 Hz    | 146 |
| below 50.00 Hz    | 146 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:53 |
| above 50.03                             | 0:01:53 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:16:40 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)