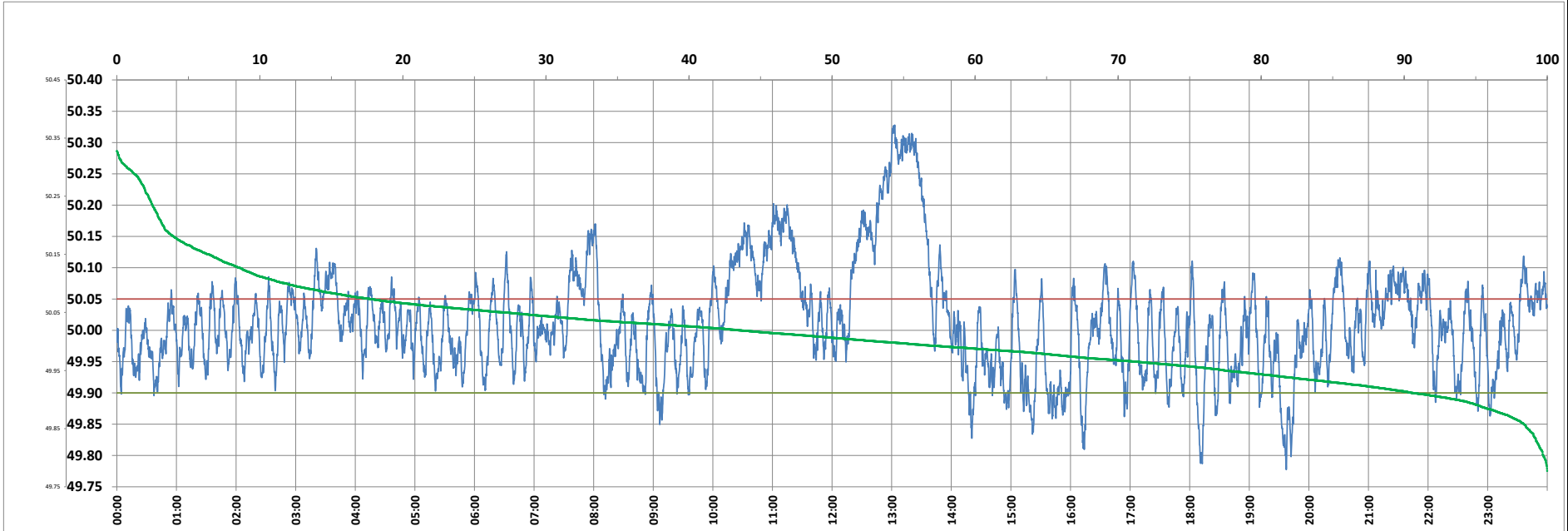


GRID CONTROLLER OF INDIA LIMITED  
 NATIONAL LOAD DESPATCH CENTRE, NEW DELHI  
 Frequency profile for 29-Jun-2023 (Thursday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 6.38   | 31.27  | 0.19      | 6.19      | 40.39     | 41.39     | 8.62      | 66.49       | 96.78     | 31.20       | 15.30      | 53.23 | 37.52  | 27.13  | 3.22  | 22.49  | 50.38       | 16.11       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.012 | Frequency Variation Index : 0.0729 | Standard Deviation : 0.0847 | Mileage: 48.7 | FDI: 33.5 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.328 | 13:03:00 |
| Min                     | 49.777 | 19:37:10 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.297 | 13:15:00 |
| Min                         | 49.846 | 19:45:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 130 |
| below 49.97 Hz    | 125 |
| above 50.00 Hz    | 133 |
| below 50.00 Hz    | 132 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:03:36 |
| above 50.03                             | 0:04:09 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:02:30 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)