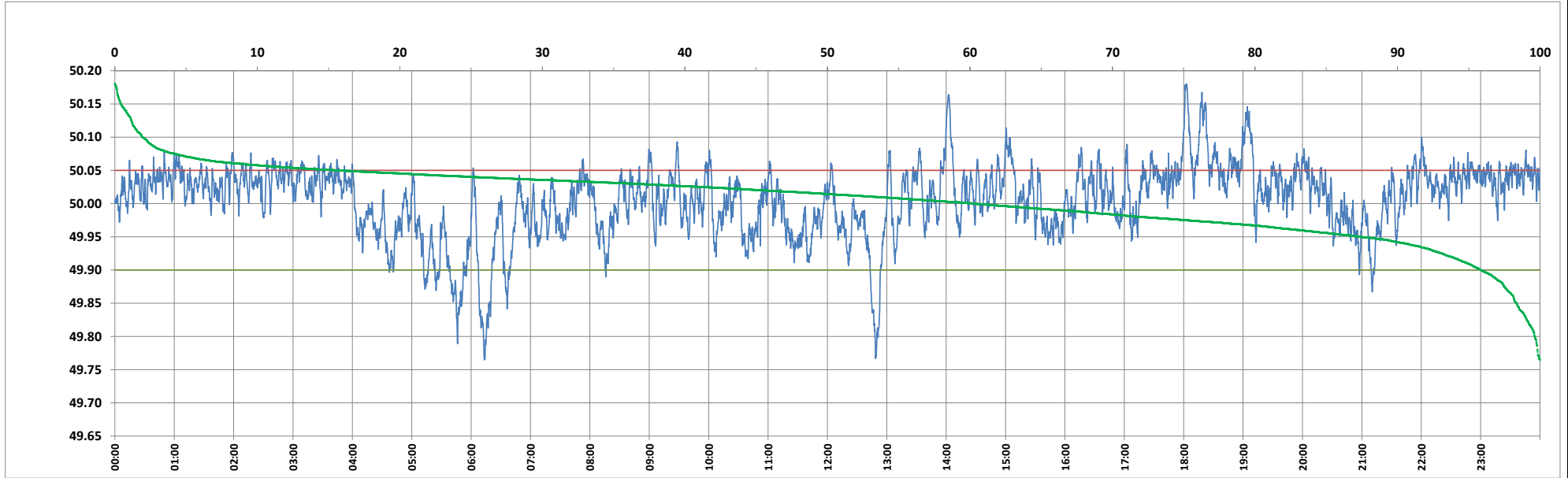


GRID CONTROLLER OF INDIA LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 03-Jun-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  | 4.14   | 21.76  | 0.35      | 3.80      | 35.56     | 58.36     | 1.94      | 80.01       | 100.00    | 41.85       | 13.90      | 60.30 | 36.39  | 15.84  | 0.00  | 12.60  | 71.55       | 8.46        |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.005 | Frequency Variation Index : 0.0287 | Standard Deviation : 0.0533 | Mileage: 44.2 | FDI: 20.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.180 18:02:50 |
| Min                     | 49.765 6:13:20  |

| 15 minute Average Frequency |                 |
|-----------------------------|-----------------|
| Max                         | 50.101 18:30:00 |
| Min                         | 49.873 13:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 227 |
| below 49.97 Hz    | 122 |
| above 50.00 Hz    | 151 |
| below 50.00 Hz    | 150 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:34 |
| above 50.03                             | 0:02:19 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:47:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)