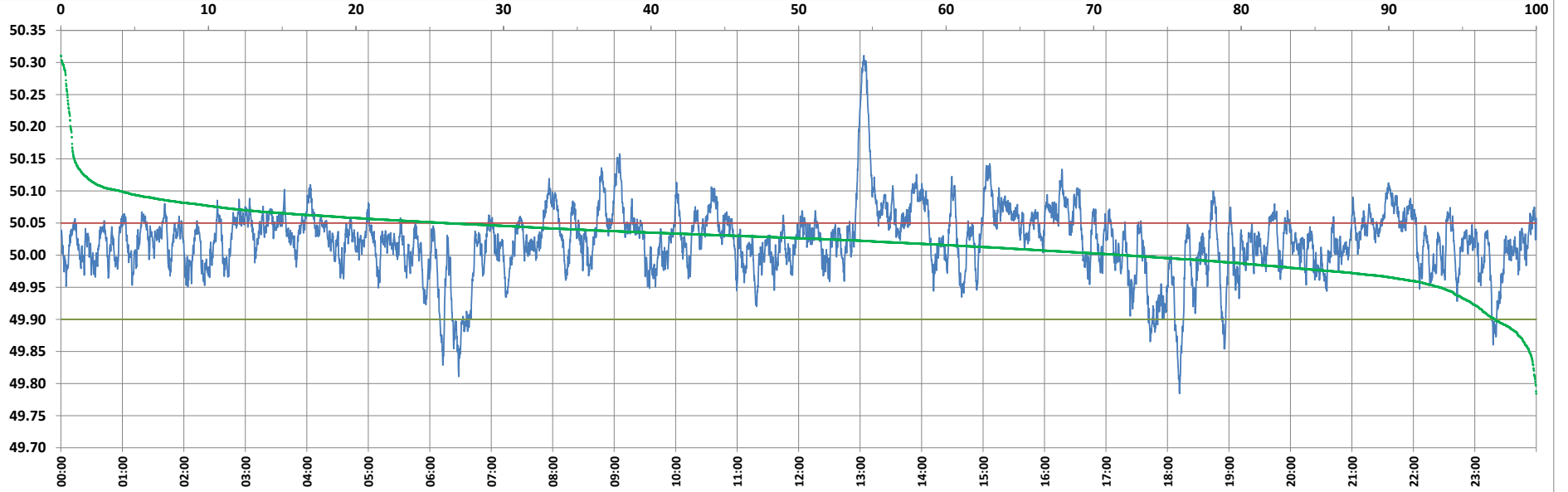


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 14-Oct-2022 (Friday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 2.80   | 11.66  | 0.05      | 2.75      | 25.23     | 68.00     | 3.31      | 71.16       | 99.34     | 42.38       | 22.07      | 71.97 | 45.96  | 26.04  | 0.66  | 6.56   | 67.40       | 3.76        |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.022 | Frequency Variation Index : 0.0323 | Standard Deviation : 0.0522 | Mileage: 46.2 | FDI: 28.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.311 | 13:03:40 |
| Min                     | 49.784 | 18:11:40 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.209 | 13:15:00 |
| Min                         | 49.906 | 18:15:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 252 |
| below 49.97 Hz    | 98  |
| above 50.00 Hz    | 172 |
| below 50.00 Hz    | 171 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:01:43 |
| above 50.03                             | 0:02:38 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:55:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)