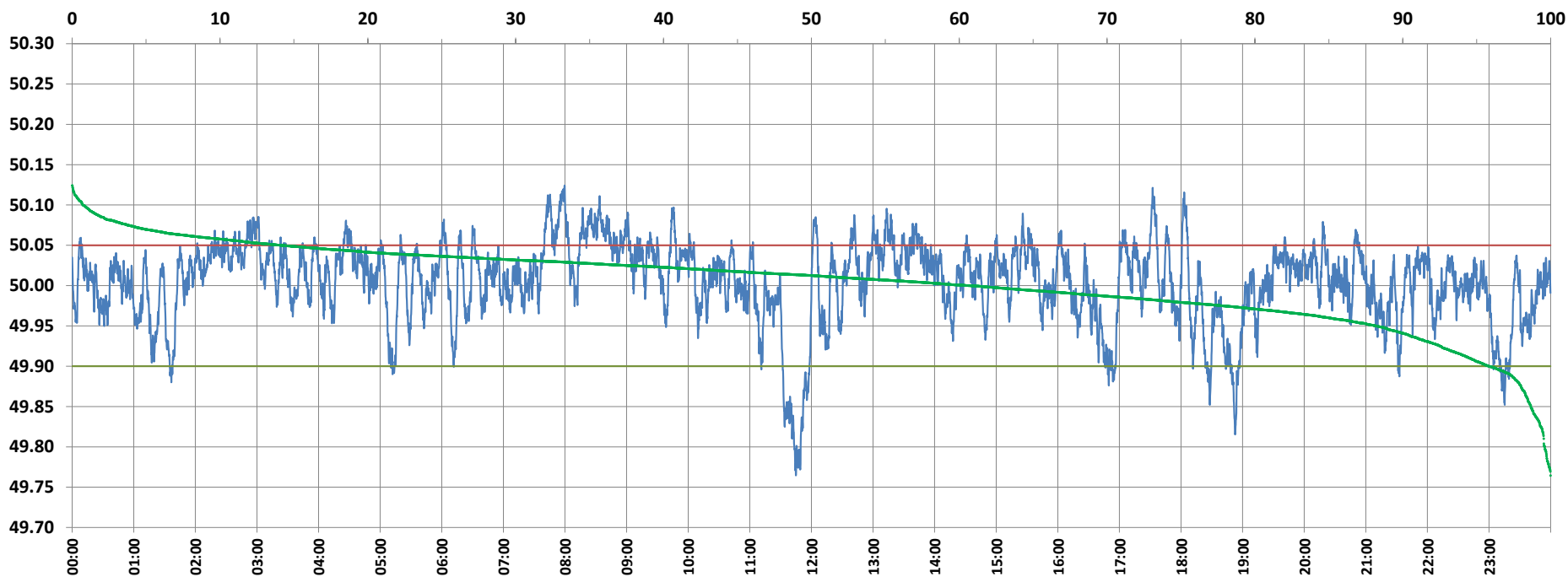


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 03-Oct-2021 (Sunday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 4.17   | 19.48  | 0.39      | 3.77      | 35.12     | 59.99     | 0.73      | 81.67       | 100.00    | 48.26       | 13.44      | 60.72 | 32.26  | 14.17  | 0.00  | 11.79  | 74.04       | 7.63        |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.004 | Frequency Variation Index : 0.0250 | Standard Deviation : 0.0498 | Mileage: 46.3 | FDI: 18.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.124 | 7:59:40  |
| Min                     | 49.765 | 11:44:50 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.086 | 8:00:00  |
| Min                         | 49.848 | 12:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 247 |
| below 49.97 Hz    | 125 |
| above 50.00 Hz    | 202 |
| below 50.00 Hz    | 201 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:15 |
| above 50.03                             | 0:01:53 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:24:00 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)