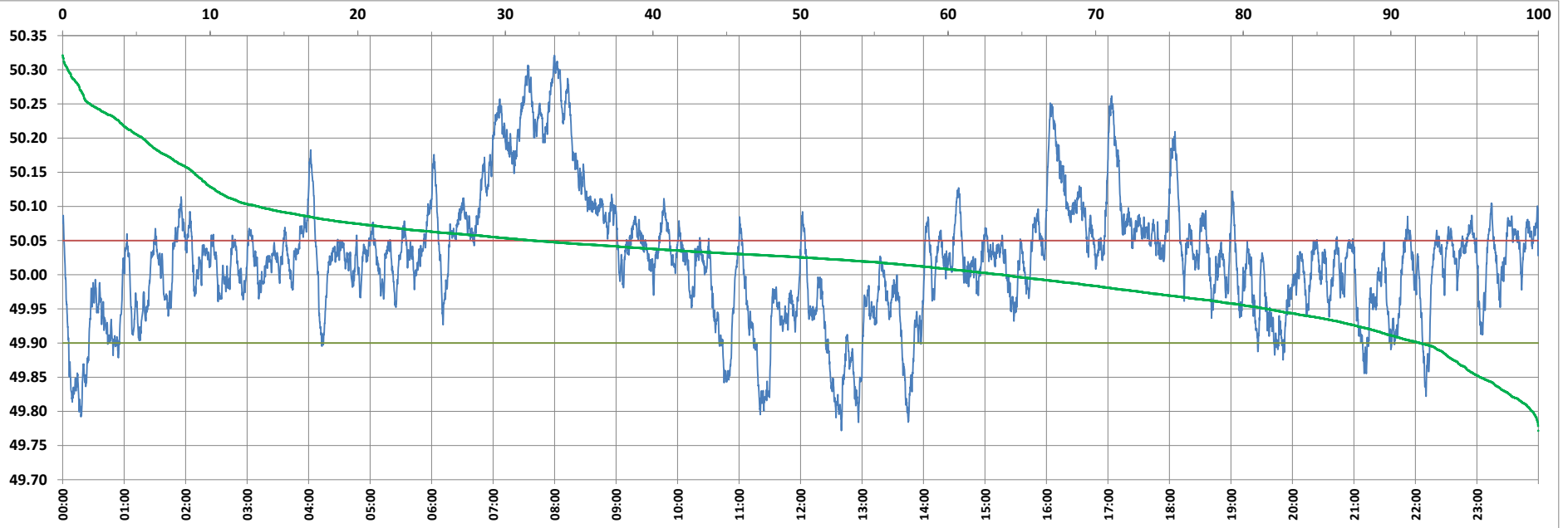


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 01-May-2022 (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  | 7.99   | 25.21  | 0.41      | 7.58      | 28.33     | 50.42     | 7.84      | 60.13       | 94.57     | 28.62       | 18.62      | 63.68 | 46.17  | 31.89  | 5.43  | 18.41  | 49.70       | 10.43       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.022 | Frequency Variation Index : 0.0874 | Standard Deviation : 0.0909 | Mileage: 42.1 | FDI: 39.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.321 | 7:59:50  |
| Min                     | 49.772 | 12:39:50 |

| 15 minute Average Frequency |        |          |  |
|-----------------------------|--------|----------|--|
| Max                         | 50.272 | 8:15:00  |  |
| Min                         | 49.828 | 12:45:00 |  |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 169 |
| below 49.97 Hz    | 83  |
| above 50.00 Hz    | 95  |
| below 50.00 Hz    | 94  |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:22 |
| above 50.03                             | 0:03:56 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 9:34:10 |
|---|---------|

Source : BHADRAWATHI 10 Sec. (8640 samples)