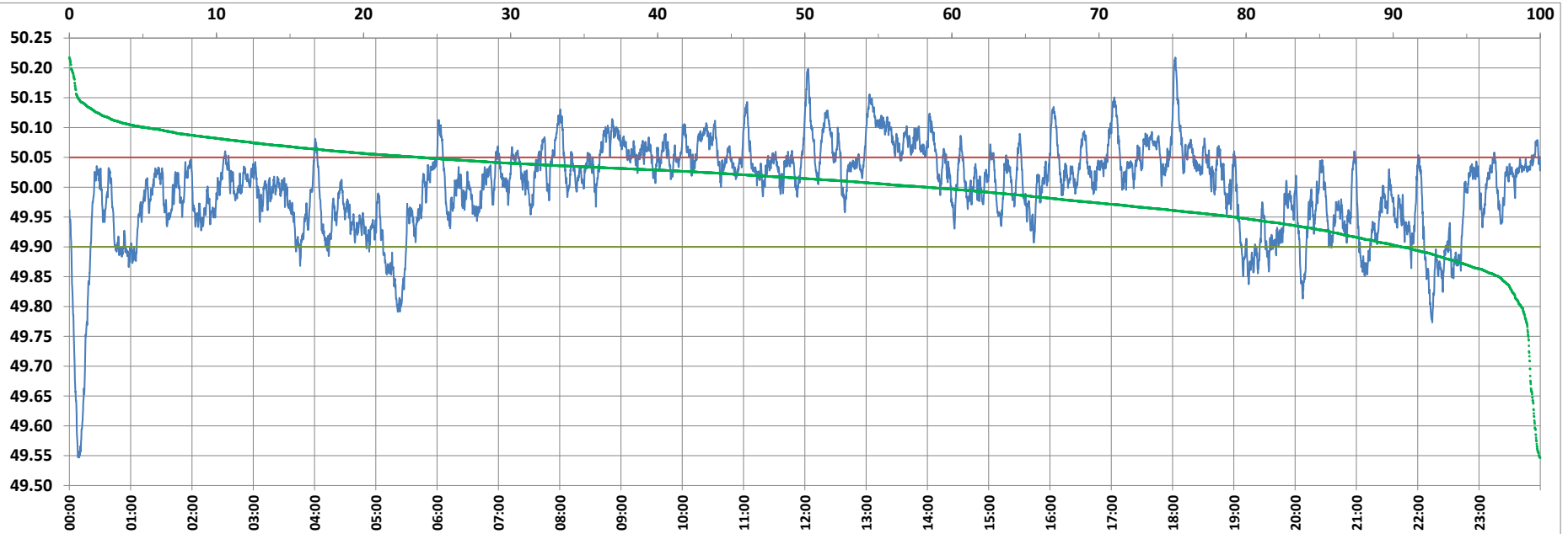


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 10-Apr-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 |
| 0.71  | 9.42   | 28.44  | 0.59      | 8.13      | 32.28     | 53.09     | 5.09      | 66.69       | 99.18     | 32.67       | 18.68      | 58.30 | 38.89  | 23.89  | 0.12  | 20.78  | 55.34       | 11.35       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.001 | Frequency Variation Index : 0.0577 | Standard Deviation : 0.0760 | Mileage: 39.9 | FDI: 33.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.217 | 18:02:30 |
| Min                     | 49.547 | 0:09:30  |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.123 | 13:15:00 |
| Min                         | 49.686 | 0:15:00  |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 165 |
| below 49.97 Hz    | 91  |
| above 50.00 Hz    | 123 |
| below 50.00 Hz    | 123 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:30 |
| above 50.03                             | 0:03:24 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:59:40 |
|---|---------|

Source : BHADRAWATHI 10 Sec. (8640 samples)