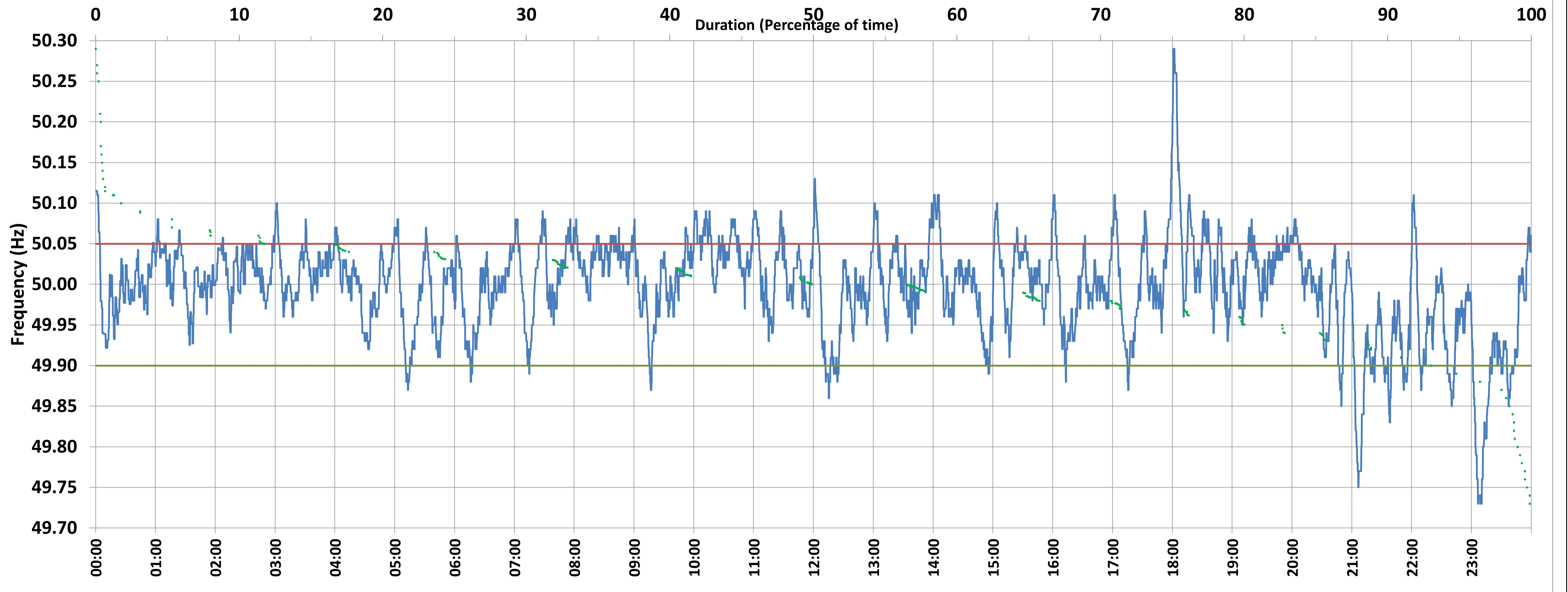


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Apr-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  | 5.23   | 24.28  | 0.95      | 4.28      | 38.25     | 55.23     | 0.94      | 83.03       | 99.65     | 51.28       | 10.45      | 49.88 | 24.43  | 11.74  | 0.35  | 17.35  | 70.91       | 12.12       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.997 | Frequency Variation Index : 0.0349 | Standard Deviation : 0.0590 | Mileage: 33.2 | FDI: 17.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.290 | 18:01:10 |
| Min                     | 49.730 | 23:06:30 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.121 | 18:15:00 |
| Min                         | 49.803 | 23:15:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 105 |
| below 49.97 Hz    | 81  |
| above 50.00 Hz    | 77  |
| below 50.00 Hz    | 73  |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:19 |
| above 50.03                             | 0:03:21 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:04:20 |
|---|---------|

Source : SOMANAHALLI:Frequency 10 Sec. (8640 samples)