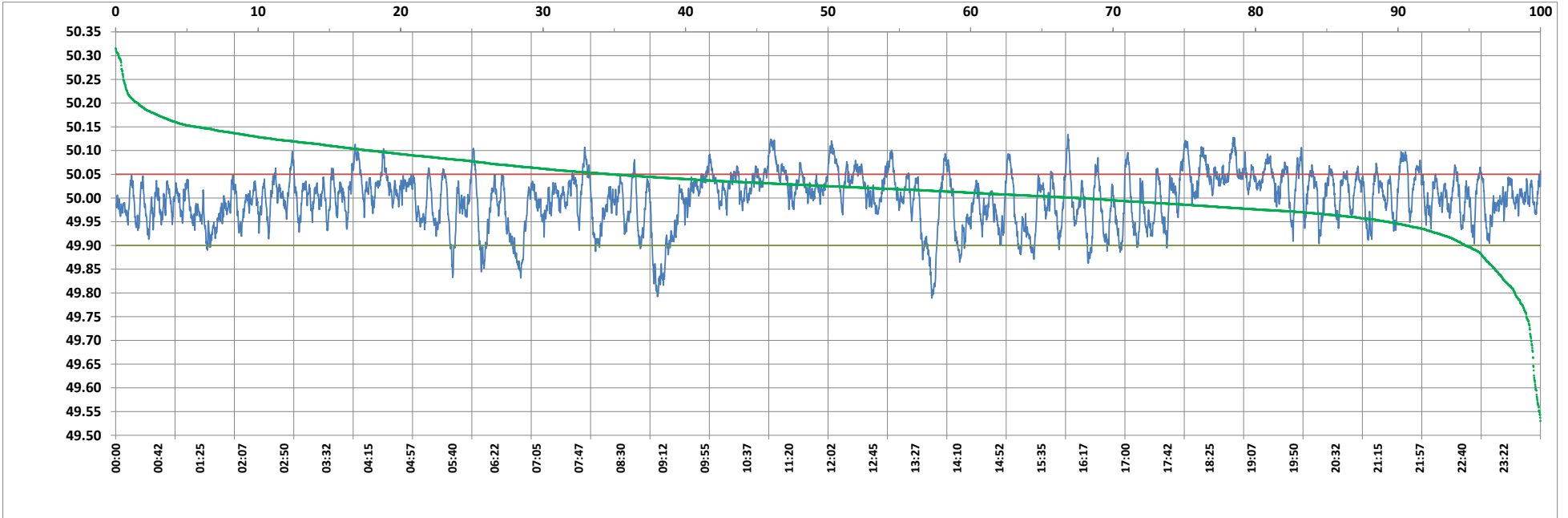


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 09-Nov-2022 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 4.97 | 27.30 | 0.17 | 4.79 | 40.57 | 52.89 | 1.57 | 79.42 | 100.00 | 42.27 | 14.04 | 54.47 | 30.43 | 15.61 | 0.00 | 17.77 | 66.62 | 12.80 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.999 | Frequency Variation Index : 0.0300 | Standard Deviation : 0.0548 | Mileage: 46.8 | FDI: 20.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.134 16:02:20 |
| Min | 49.789 13:44:50 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.082 11:15:00 |
| Min | 49.850 9:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 197 |
| below 49.97 Hz | 145 |
| above 50.00 Hz | 171 |
| below 50.00 Hz | 171 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:43 |
| above 50.03 | 0:02:13 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:56:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)