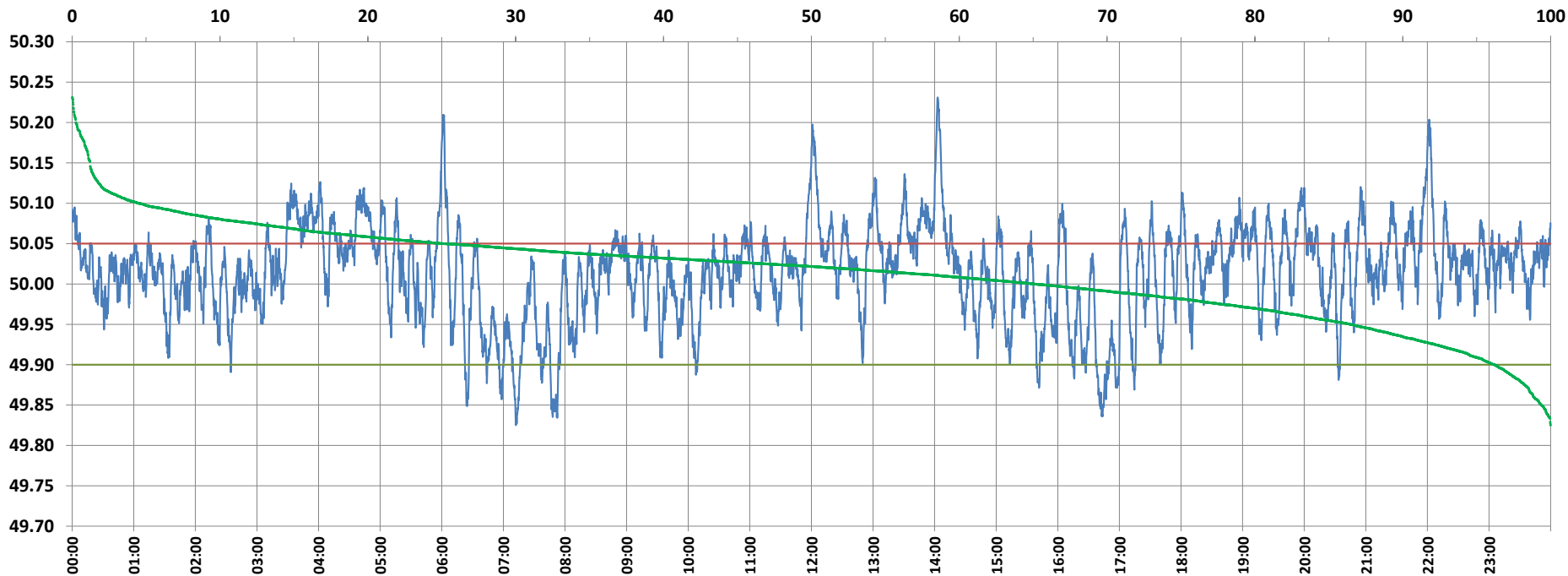


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-Dec-2021 (Thursday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 3.82 | 20.07 | 0.00 | 3.82 | 31.11 | 60.58 | 4.25 | 71.12 | 99.76 | 37.88 | 20.57 | 65.07 | 42.05 | 25.06 | 0.24 | 13.54 | 61.40 | 9.72 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.014 | Frequency Variation Index : 0.0356 | Standard Deviation : 0.0579 | Mileage: 48.2 | FDI: 28.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.231 | 14:03:00 |
| Min | 49.825 | 7:12:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.119 | 14:15:00 |
| Min | 49.898 | 17:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 214 |
| below 49.97 Hz | 102 |
| above 50.00 Hz | 163 |
| below 50.00 Hz | 162 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:50 |
| above 50.03 | 0:02:50 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:55:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)