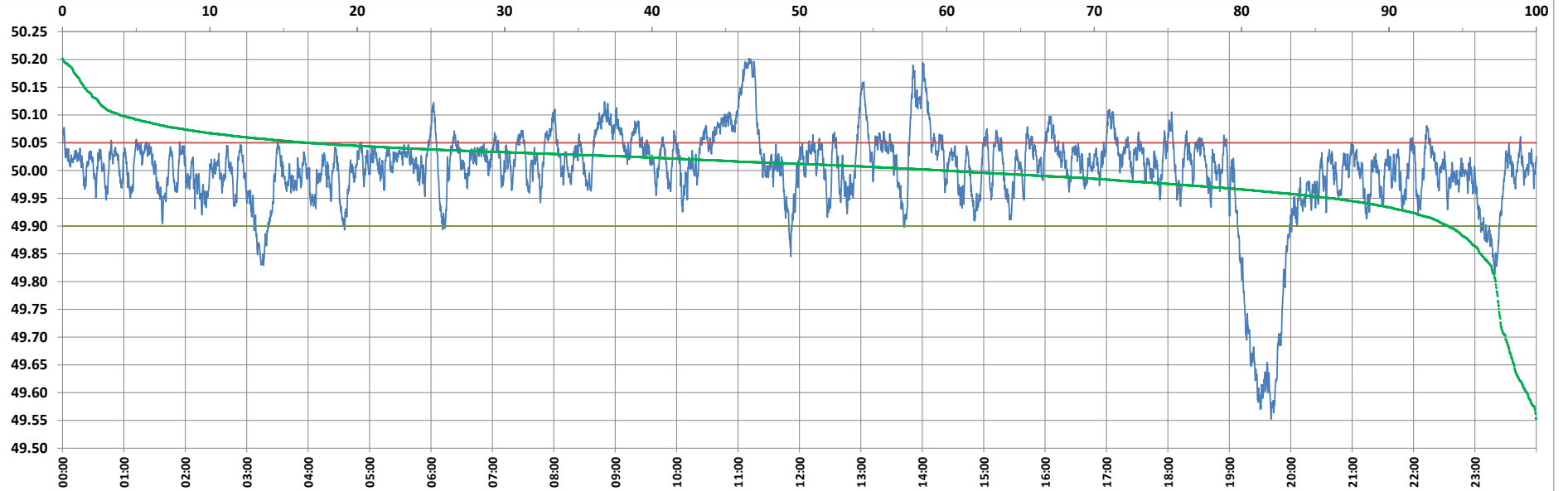


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 18-Aug-2022 (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 |
| 2.09 | 5.98 | 21.92 | 0.67 | 3.22 | 34.21 | 55.89 | 3.88 | 77.37 | 97.87 | 44.95 | 12.73 | 59.80 | 33.13 | 16.64 | 0.03 | 13.97 | 69.39 | 7.99 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.000 | Frequency Variation Index : 0.0645 | Standard Deviation : 0.0803 | Mileage: 45.2 | FDI: 22.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.202 | 11:10:50 |
| Min | 49.553 | 19:41:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.172 | 11:15:00 |
| Min | 49.599 | 19:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 205 |
| below 49.97 Hz | 121 |
| above 50.00 Hz | 179 |
| below 50.00 Hz | 178 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:37 |
| above 50.03 | 0:02:20 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:25:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)