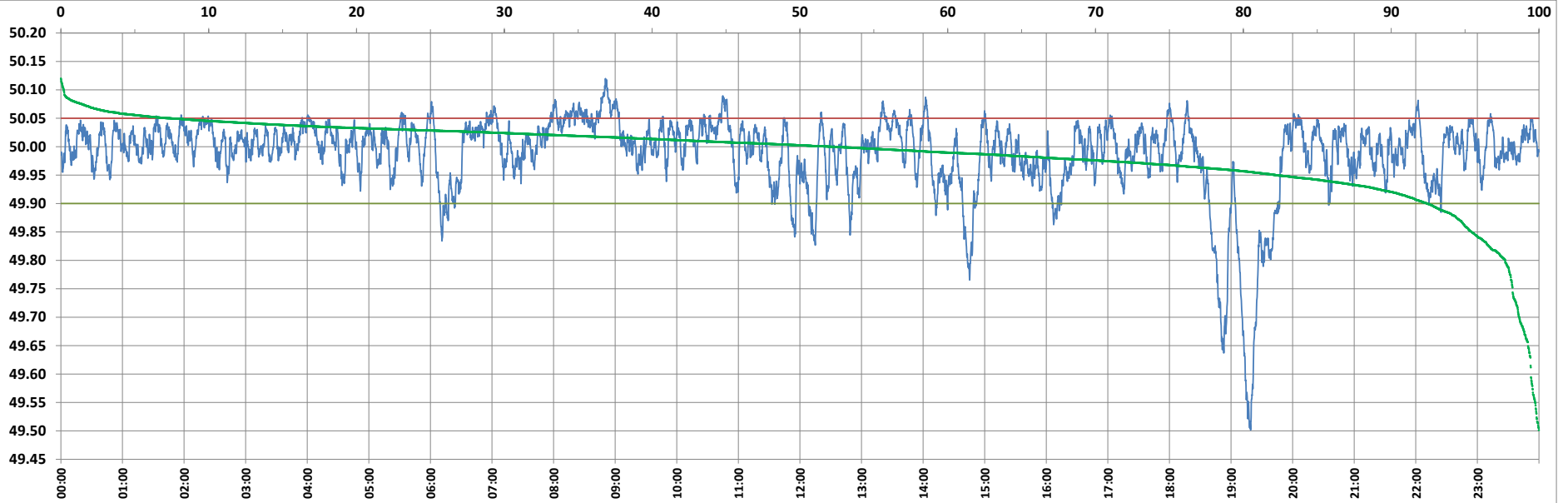


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 02-Sep-2022 (Friday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 1.33 | 7.56 | 26.27 | 0.96 | 5.27 | 40.22 | 52.03 | 0.20 | 85.01 | 98.67 | 50.35 | 7.23 | 52.22 | 23.38 | 7.43 | 0.00 | 17.74 | 74.83 | 10.19 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.987 | Frequency Variation Index : 0.0507 | Standard Deviation : 0.0700 | Mileage: 42.5 | FDI: 15.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | |
|-------------------------|-----------------|
| Max | 50.120 8:50:30 |
| Min | 49.502 19:19:00 |

| 15 minute Average Frequency | |
|-----------------------------|-----------------|
| Max | 50.082 9:00:00 |
| Min | 49.661 19:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 211 |
| below 49.97 Hz | 127 |
| above 50.00 Hz | 184 |
| below 50.00 Hz | 184 |

| Average time freq per excursion remains | |
|-----------------------------------------|---------|
| below 49.97 | 0:02:59 |
| above 50.03 | 0:01:36 |

| | |
|-----------------------------------------|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:35:50 |
|-----------------------------------------|---------|

Source : AGRA 10 Sec. (8640 samples)