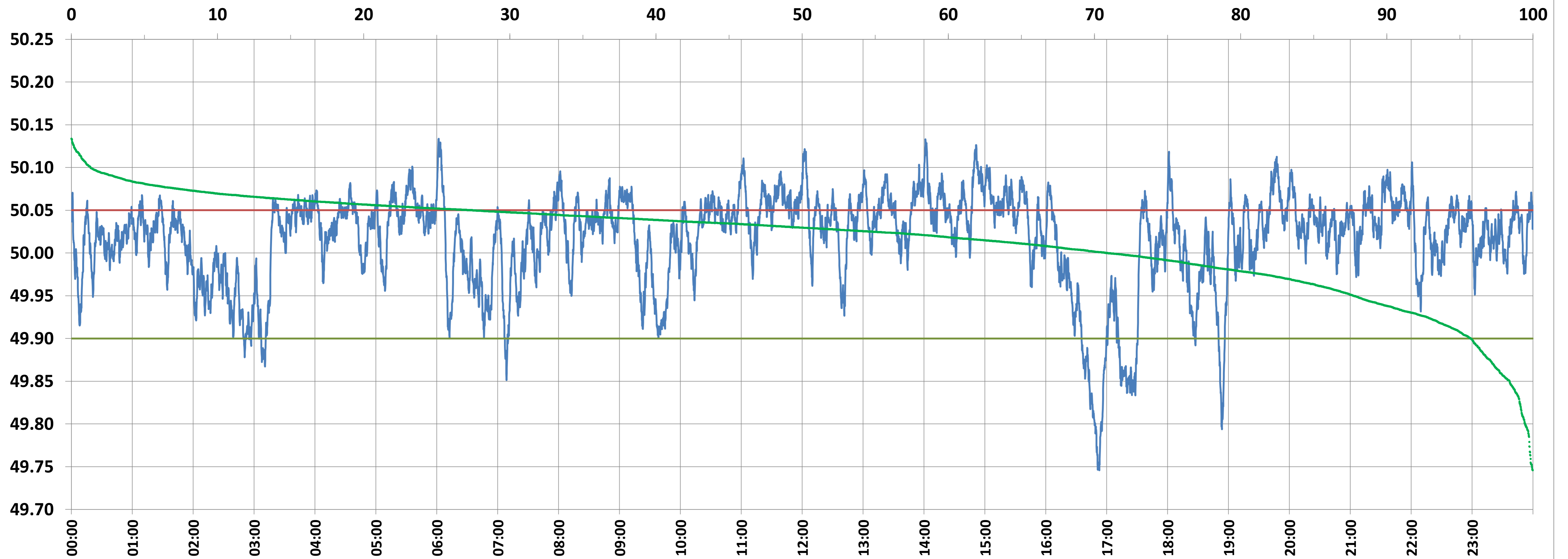


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Aug-2021 (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 |
| 0.00 | 4.25 | 16.82 | 0.53 | 3.72 | 24.87 | 69.57 | 1.31 | 68.23 | 100.00 | 33.39 | 26.22 | 70.88 | 49.79 | 27.52 | 0.00 | 12.28 | 60.20 | 8.03 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.016 | Frequency Variation Index : 0.0333 | Standard Deviation : 0.0555 | Mileage: 40.2 | FDI: 31.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.134 | 6:01:50 |
| Min | 49.746 | 16:52:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.081 | 15:00:00 |
| Min | 49.809 | 17:00:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 193 |
| below 49.97 Hz | 68 |
| above 50.00 Hz | 119 |
| below 50.00 Hz | 118 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:34 |
| above 50.03 | 0:03:43 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:37:30 |
|---|---------|

Source : BHADRAWATHI 10 Sec. (8640 samples)