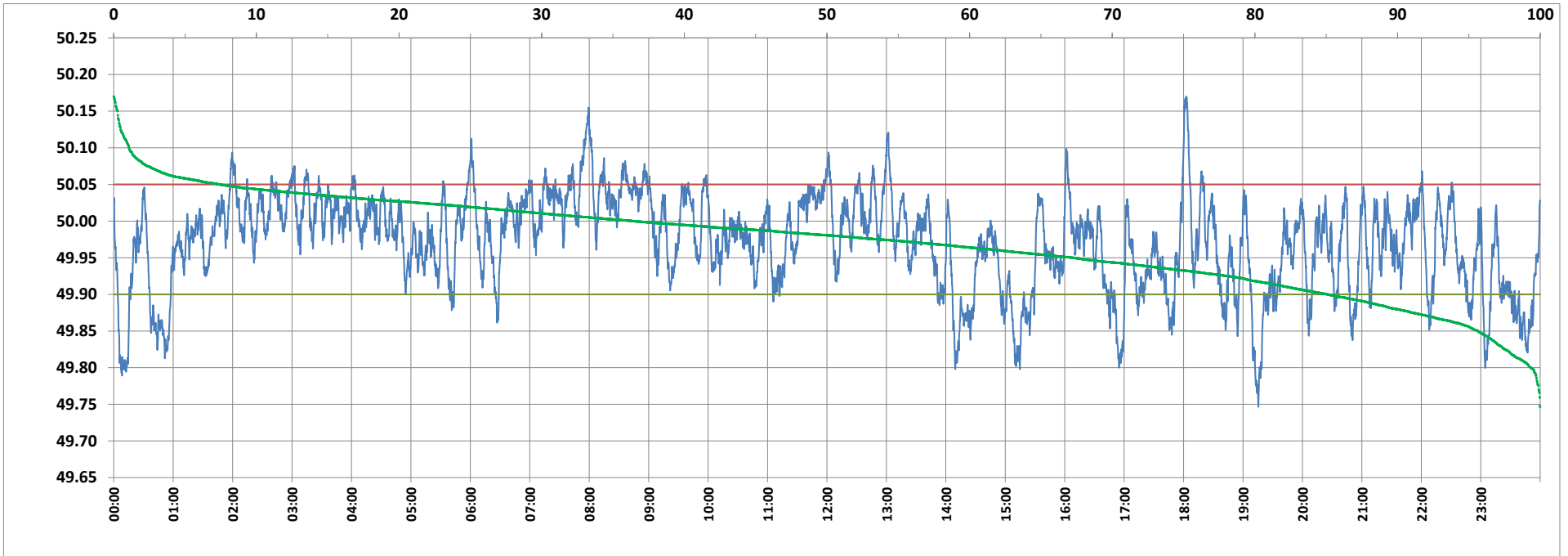


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 30-Mar-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 | 14.94 | 43.34 | 0.66 | 14.28 | 48.65 | 35.35 | 1.06 | 77.65 | 100.00 | 38.88 | 6.34 | 36.41 | 17.78 | 7.41 | 0.00 | 32.79 | 59.80 | 17.85 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.972 | Frequency Variation Index : 0.0490 | Standard Deviation : 0.0640 | Mileage: 43.7 | FDI: 22.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.170 | 18:02:40 |
| Min | 49.746 | 19:15:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|---------|
| Max | 50.070 | 8:00:00 |
| Min | 49.854 | 0:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 123 |
| below 49.97 Hz | 134 |
| above 50.00 Hz | 148 |
| below 50.00 Hz | 147 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:39 |
| above 50.03 | 0:02:05 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:21:50 |
|---|---------|

Source : BHADRAWATHI 10 Sec. (8640 samples)