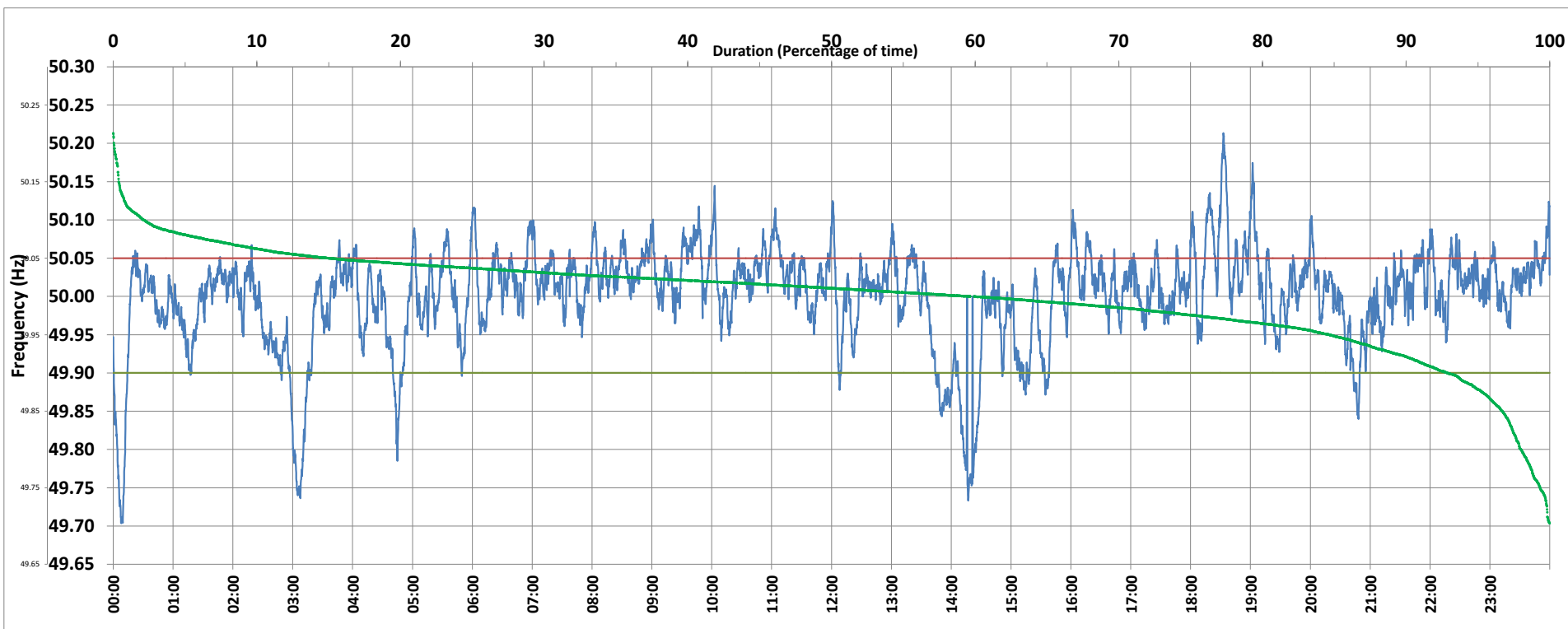


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-May-2020 (Tuesday)



| <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 | 7.11 | 22.29 | 2.00 | 5.10 | 32.96 | 57.80 | 2.07 | 77.87 | 99.94 | 46.82 | 12.96 | 59.63 | 30.89 | 15.02 | 0.06 | 15.34 | 69.64 | 8.23 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.000 | Frequency Variation Index : 0.0406 | Standard Deviation : 0.0637 | Mileage: 42.3 | FDI: 22.1 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.213 | 18:32:50 |
| Min | 49.704 | 0:08:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.091 | 18:45:00 |
| Min | 49.792 | 3:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 177 |
| below 49.97 Hz | 89 |
| above 50.00 Hz | 176 |
| below 50.00 Hz | 175 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:36 |
| above 50.03 | 0:02:31 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:18:40 |
|---|---------|

Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)