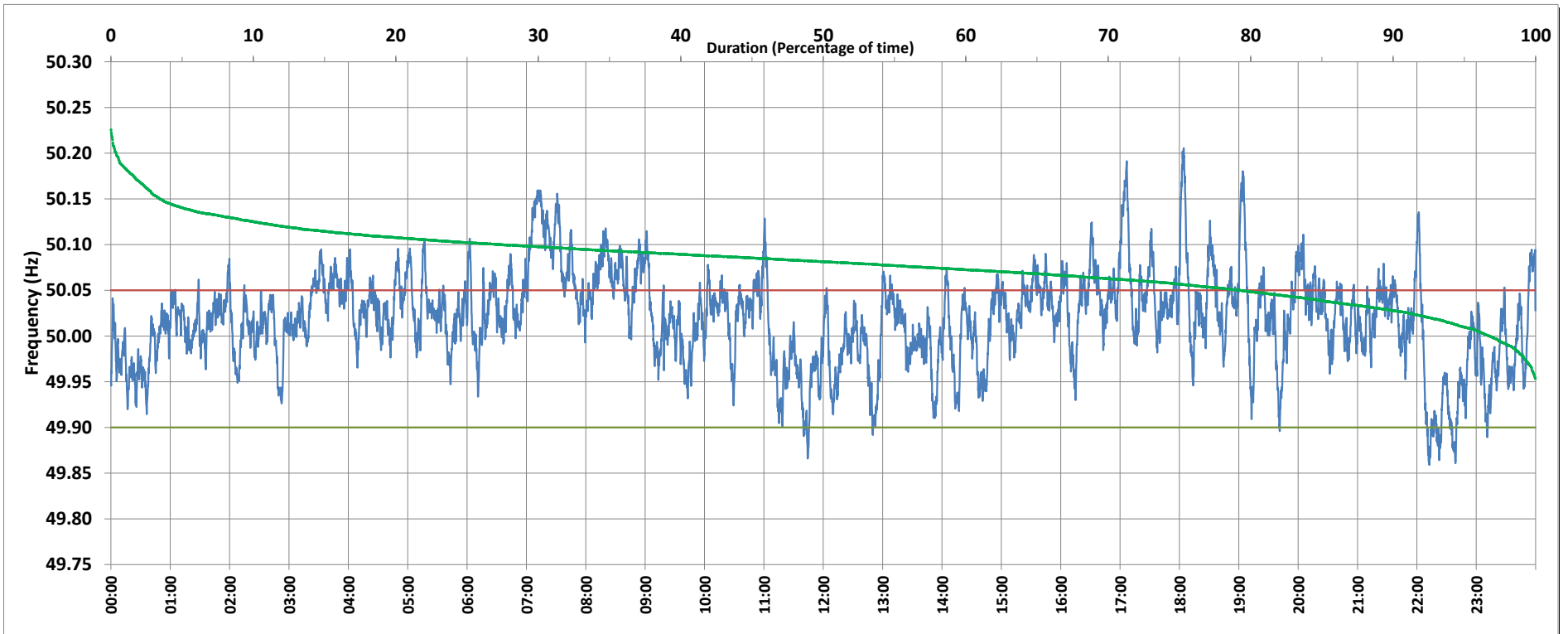


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 26-May-2019 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 1.45 | 15.79 | 0.00 | 1.45 | 29.88 | 64.17 | 4.46 | 74.78 | 99.95 | 42.37 | 19.36 | 68.62 | 41.84 | 23.77 | 0.05 | 8.80 | 67.43 | 7.35 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.019 | Frequency Variation Index : 0.0288 | Standard Deviation : 0.0502 | Mileage: 45.0 | FDI: 25.2 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.206 | 18:04:10 |
| Min | 49.859 | 22:12:30 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.122 | 7:15:00 |
| Min | 49.912 | 22:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 202 |
| below 49.97 Hz | 83 |
| above 50.00 Hz | 166 |
| below 50.00 Hz | 165 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:44 |
| above 50.03 | 0:02:59 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:03:10 |
|---|---------|

Source : HISSAR:Frequency 10 Sec. (8640 samples)