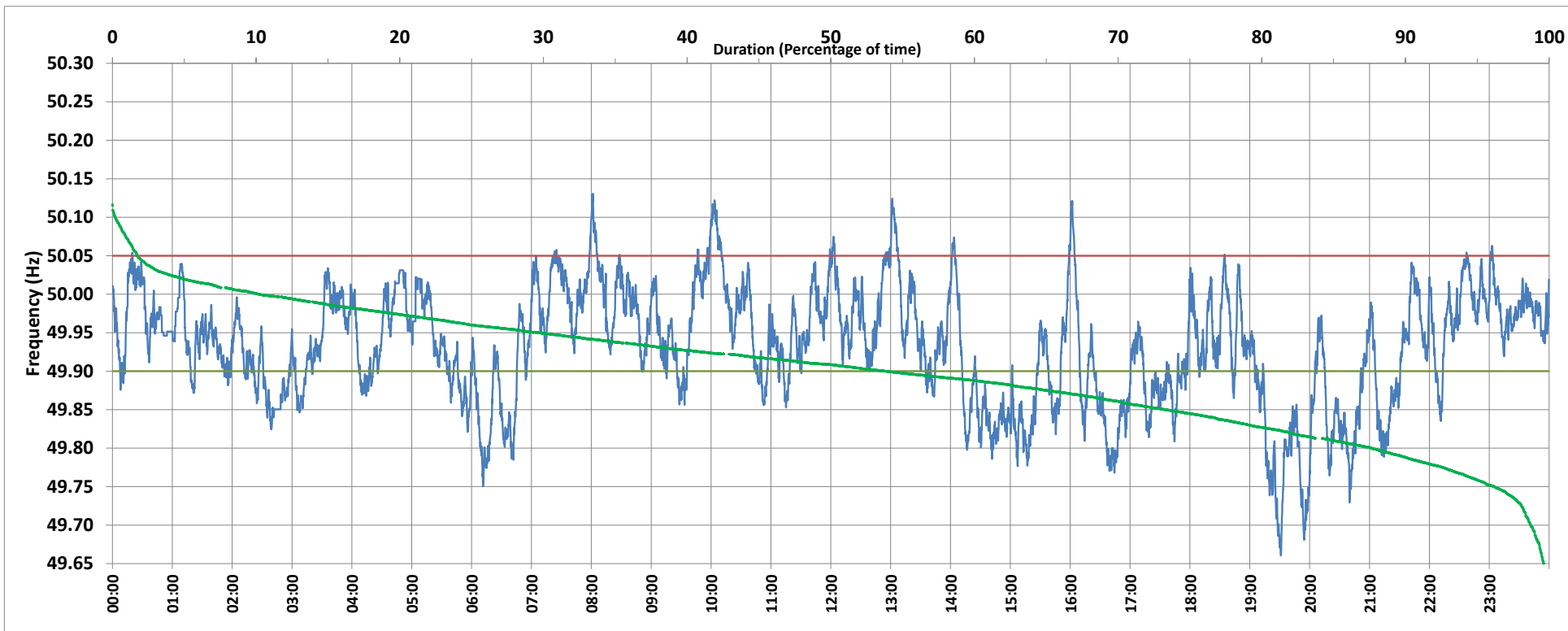


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 10-Jul-2018 (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 |
| 0.4 | 31.8 | 67.0 | 4.6 | 26.9 | 48.8 | 18.8 | 0.7 | 64.9 | 99.6 | 24.8 | 2.7 | 19.4 | 8.2 | 3.3 | 0.0 | 56.3 | 40.3 | 24.5 |

| | | | | |
|----------------------------|-----------------------------------|----------------------------|---------------|-----------|
| Average Frequency : 49.931 | Frequency Variation Index : 0.104 | Standard Deviation : 0.076 | Mileage: 43.9 | FDI: 35.1 |
|----------------------------|-----------------------------------|----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.131 | 8:01:30 |
| Min | 49.661 | 19:31:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.069 | 10:15:00 |
| Min | 49.755 | 19:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 58 |
| below 49.97 Hz | 97 |
| above 50.00 Hz | 100 |
| below 50.00 Hz | 99 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:09:57 |
| above 50.03 | 0:02:02 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:25:50 |
|---|---------|

Source : SLPR7:Frequency 10 Sec. (8640 samples)