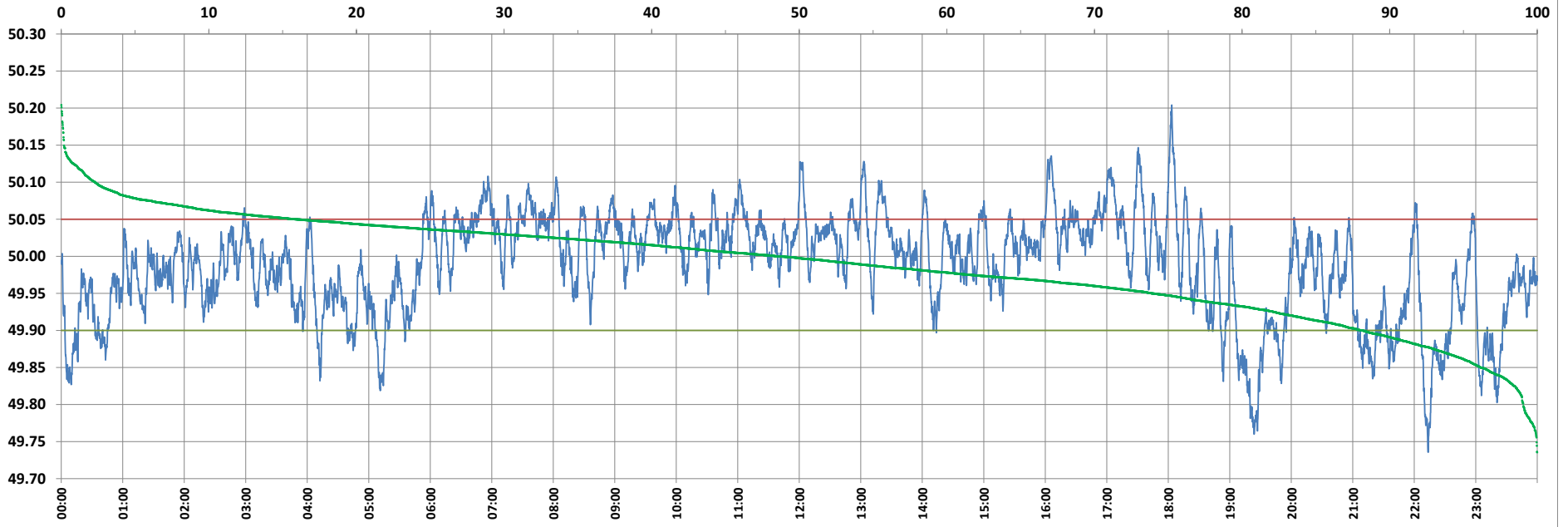


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 06-May-2022 (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 | 11.93 | 35.29 | 0.95 | 10.98 | 39.48 | 46.31 | 2.26 | 72.19 | 99.98 | 34.91 | 13.60 | 48.59 | 29.80 | 15.88 | 0.02 | 26.10 | 58.02 | 14.17 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.987 | Frequency Variation Index : 0.0472 | Standard Deviation : 0.0676 | Mileage: 42.2 | FDI: 27.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.204 | 18:03:20 |
| Min | 49.736 | 22:13:30 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.079 | 17:15:00 |
| Min | 49.806 | 19:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 141 |
| below 49.97 Hz | 126 |
| above 50.00 Hz | 135 |
| below 50.00 Hz | 135 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:02 |
| above 50.03 | 0:03:03 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:40:30 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)