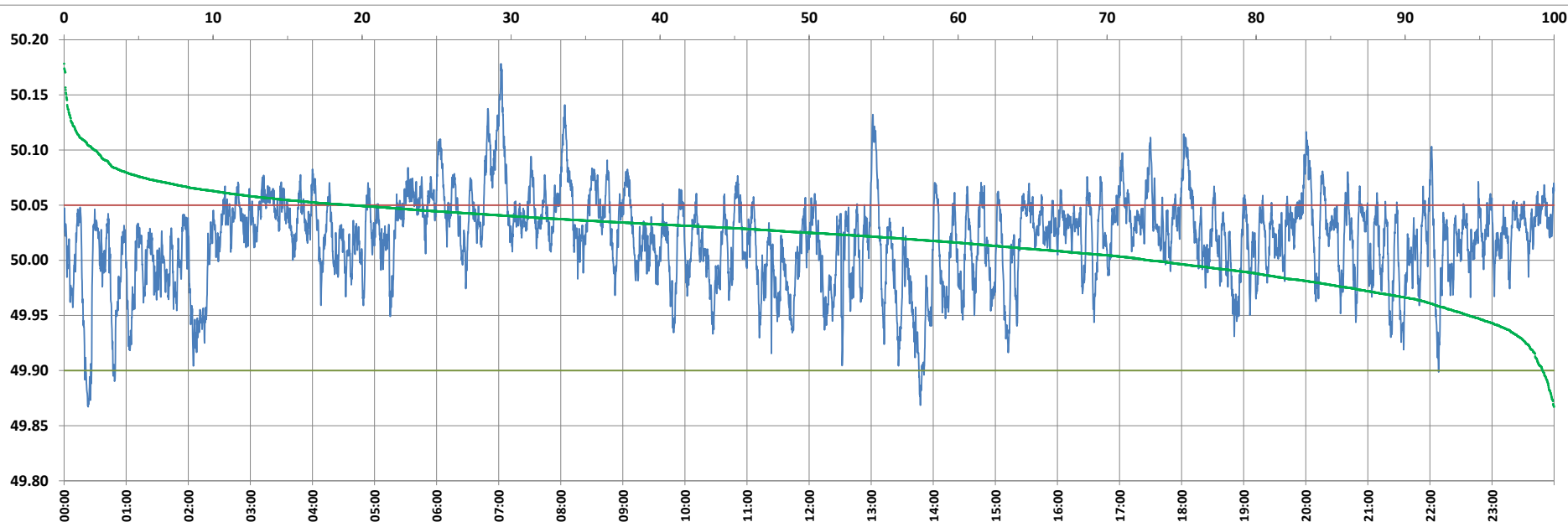


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-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 | 0.76 | 11.69 | 0.00 | 0.76 | 26.42 | 70.74 | 2.07 | 79.99 | 100.00 | 44.58 | 17.18 | 72.81 | 43.73 | 19.25 | 0.00 | 5.72 | 75.03 | 4.95 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.019 | Frequency Variation Index : 0.0198 | Standard Deviation : 0.0400 | Mileage: 43.2 | FDI: 20.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|---------|
| Max | 50.178 | 7:02:10 |
| Min | 49.867 | 0:23:10 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.096 | 7:00:00 | |
| Min | 49.934 | 14:00:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 246 |
| below 49.97 Hz | 102 |
| above 50.00 Hz | 153 |
| below 50.00 Hz | 152 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:01:39 |
| above 50.03 | 0:02:34 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:48:10 |
|---|---------|

Source : BALIPARA 10 Sec. (8640 samples)