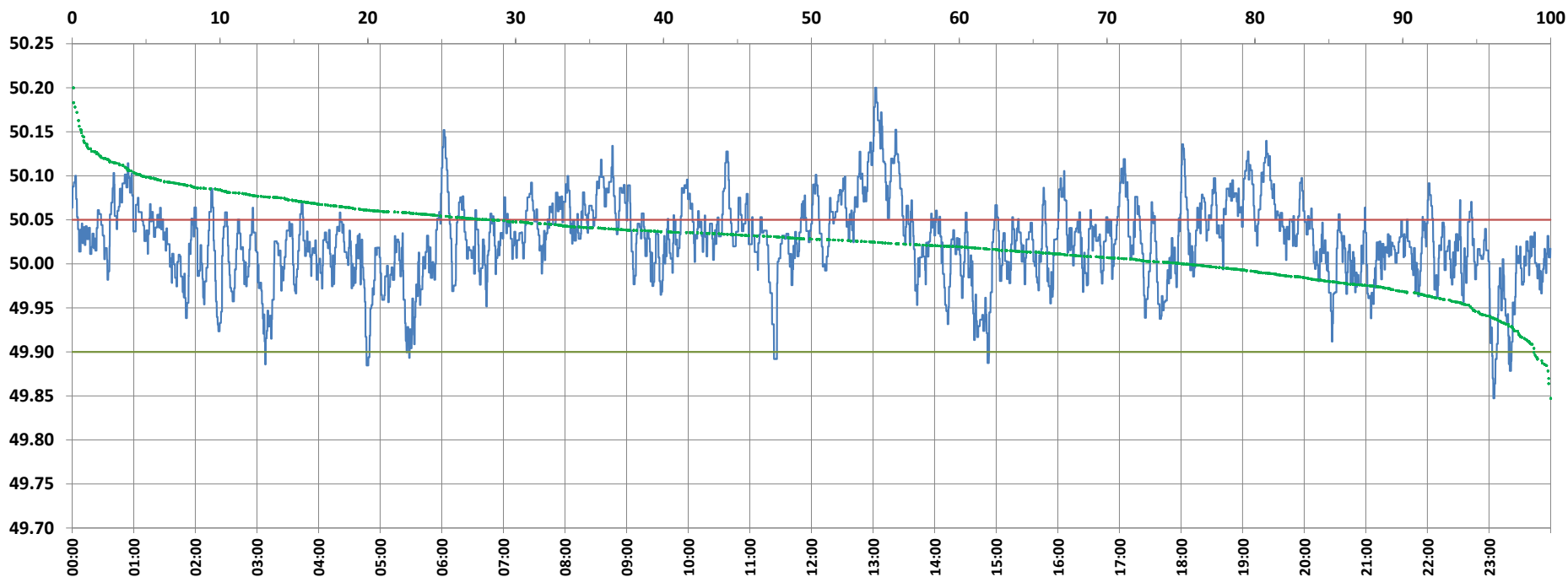


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 28-Sep-2021 (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 | 1.13 | 10.46 | 0.00 | 1.13 | 23.55 | 70.66 | 4.56 | 70.43 | 99.91 | 41.28 | 23.78 | 75.17 | 48.25 | 28.44 | 0.09 | 5.41 | 66.16 | 4.27 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.026 | Frequency Variation Index : 0.0284 | Standard Deviation : 0.0463 | Mileage: 26.3 | FDI: 29.6 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.200 | 13:02:00 |
| Min | 49.847 | 23:04:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.140 | 13:15:00 |
| Min | 49.932 | 23:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 122 |
| below 49.97 Hz | 42 |
| above 50.00 Hz | 103 |
| below 50.00 Hz | 104 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:35 |
| above 50.03 | 0:05:42 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:05:50 |
|---|---------|

Source : SOMANHALLI 10 Sec. (8640 samples)