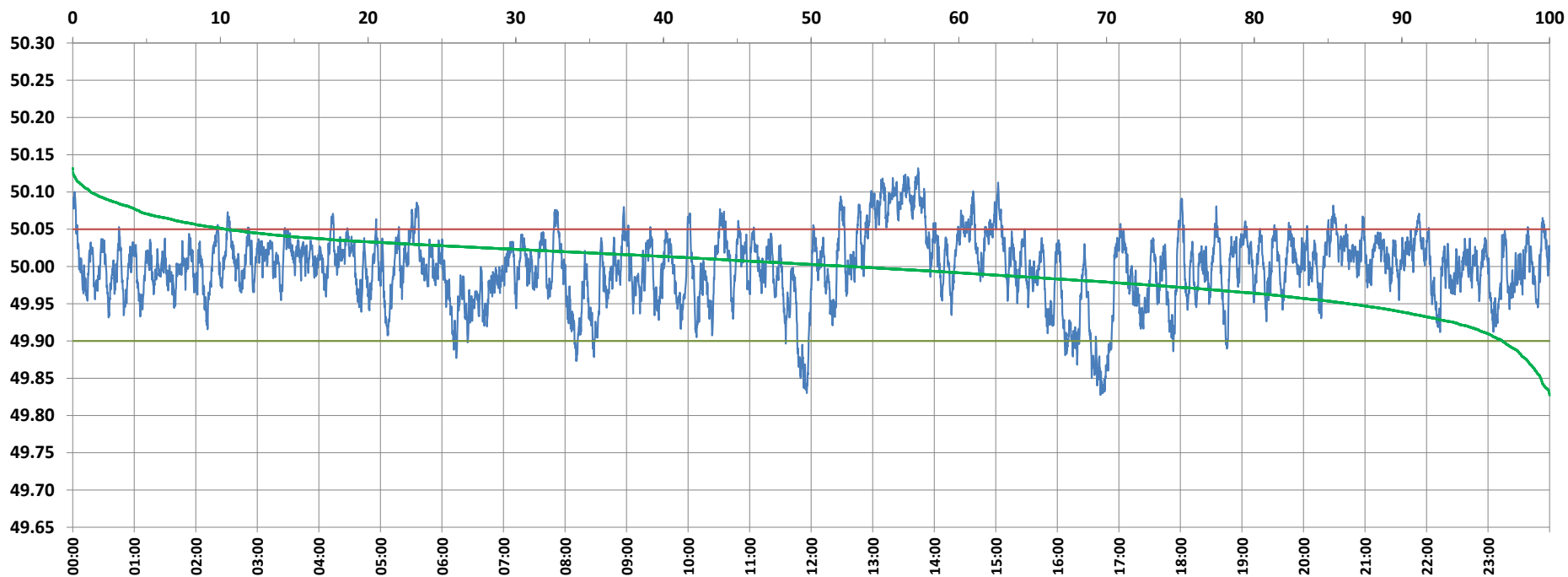


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 28-Jul-2021 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 3.18 | 23.56 | 0.00 | 3.18 | 44.09 | 51.52 | 1.22 | 86.46 | 100.00 | 53.59 | 9.14 | 52.73 | 22.85 | 10.36 | 0.00 | 13.60 | 76.04 | 10.42 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.999 | Frequency Variation Index : 0.0218 | Standard Deviation : 0.0466 | Mileage: 48.0 | FDI: 13.5 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.132 | 13:44:10 |
| Min | 49.827 | 16:42:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.101 | 13:45:00 |
| Min | 49.872 | 16:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 217 |
| below 49.97 Hz | 154 |
| above 50.00 Hz | 221 |
| below 50.00 Hz | 220 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:12 |
| above 50.03 | 0:01:31 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 3:15:00 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)