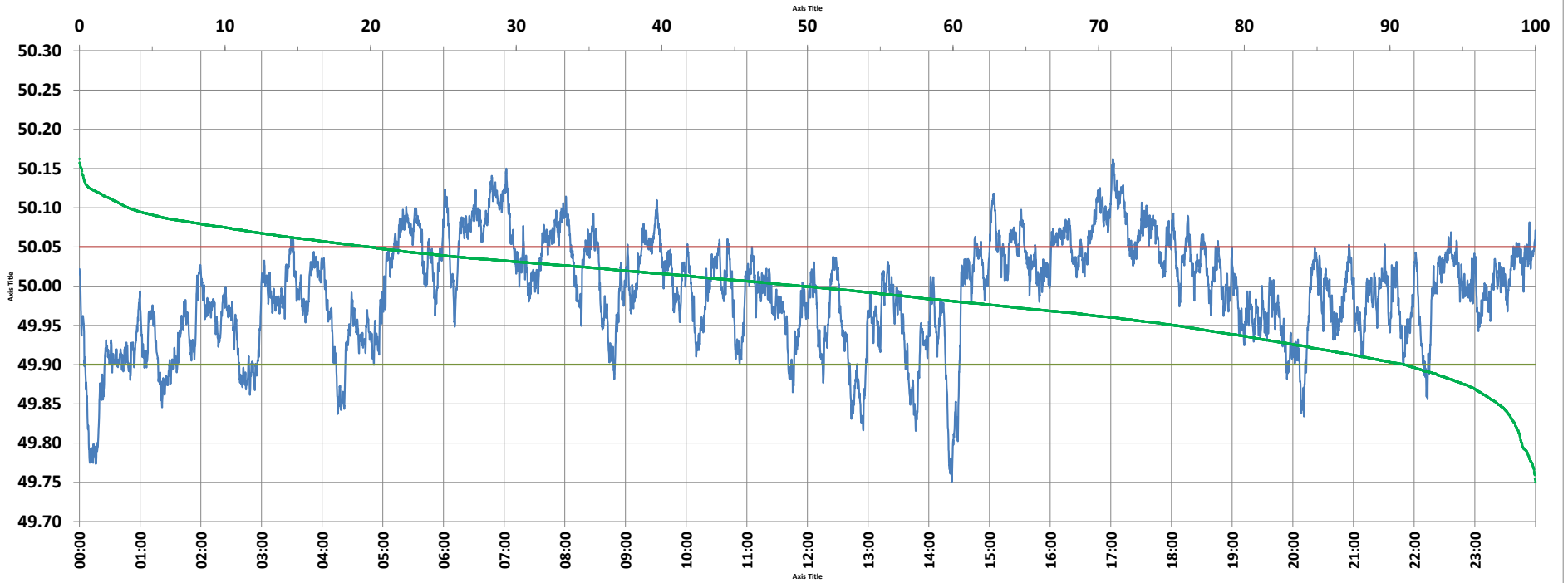


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 11-Jul-2021 (Sunday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 8.99 | 34.18 | 0.93 | 8.07 | 41.35 | 46.32 | 3.33 | 71.09 | 100.00 | 35.01 | 16.59 | 49.65 | 30.81 | 19.92 | 0.00 | 24.77 | 55.31 | 15.78 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.993 | Frequency Variation Index : 0.0452 | Standard Deviation : 0.0668 | Mileage: 42.2 | FDI: 28.9 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.162 | 17:02:00 |
| Min | 49.751 | 14:22:40 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.121 | 17:15:00 |
| Min | 49.828 | 14:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 143 |
| below 49.97 Hz | 117 |
| above 50.00 Hz | 139 |
| below 50.00 Hz | 138 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:04:12 |
| above 50.03 | 0:03:06 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:56:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)