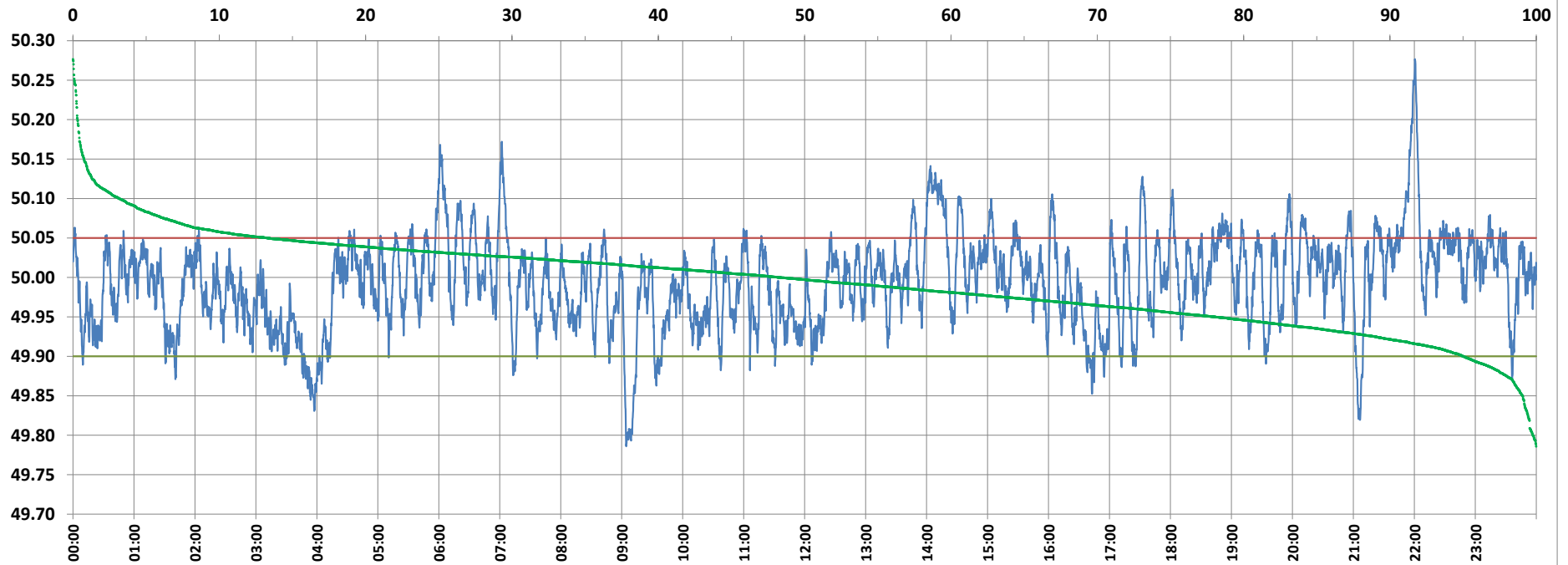


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 16-Jan-2022 (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 | 4.98 | 33.22 | 0.22 | 4.76 | 46.71 | 45.13 | 2.87 | 81.74 | 99.69 | 40.36 | 10.10 | 48.31 | 26.42 | 13.29 | 0.31 | 21.93 | 64.78 | 16.96 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.994 | Frequency Variation Index : 0.0340 | Standard Deviation : 0.0580 | Mileage: 49.9 | FDI: 18.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.277 | 22:00:30 |
| Min | 49.786 | 9:04:20 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.118 | 22:00:00 |
| Min | 49.852 | 9:15:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 203 |
| below 49.97 Hz | 156 |
| above 50.00 Hz | 178 |
| below 50.00 Hz | 177 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:03:04 |
| above 50.03 | 0:01:52 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 4:23:00 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)