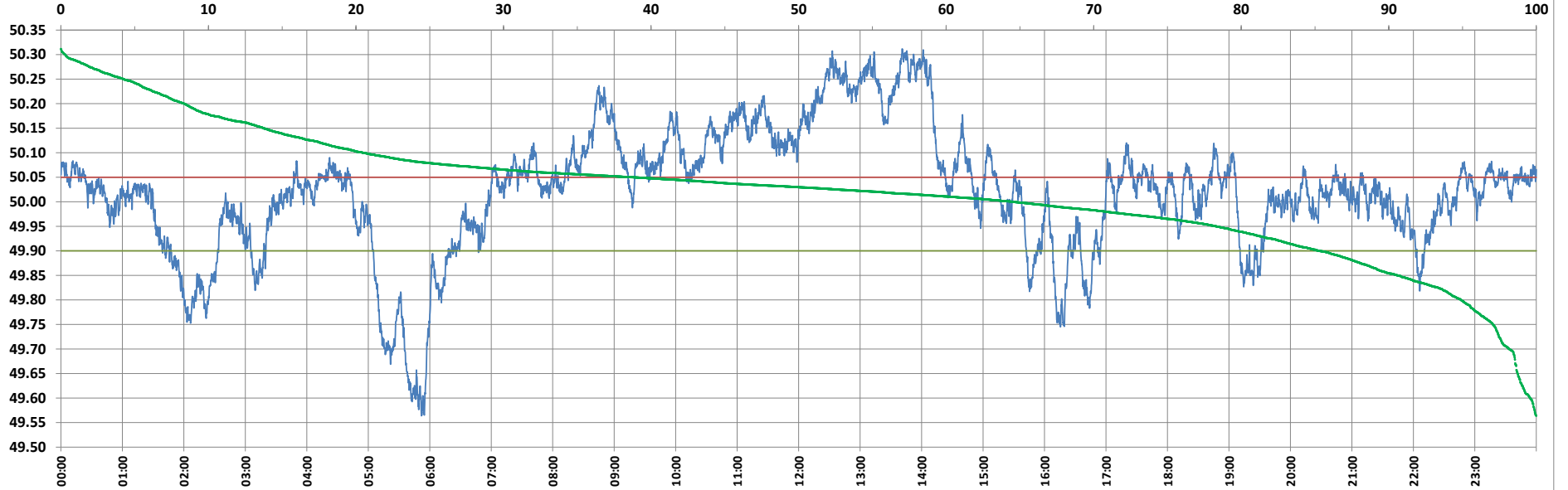


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Aug-2022 (Monday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 |
| 1.83 | 14.73 | 26.23 | 3.28 | 9.63 | 20.79 | 44.00 | 12.12 | 46.47 | 89.81 | 23.85 | 18.32 | 64.48 | 49.92 | 38.80 | 8.36 | 21.68 | 39.53 | 6.94 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.021 | Frequency Variation Index : 0.1614 | Standard Deviation : 0.1254 | Mileage: 47.2 | FDI: 53.5 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.312 | 13:41:00 |
| Min | 49.564 | 5:51:50 |

| 15 minute Average Frequency | | | |
|-----------------------------|--------|----------|--|
| Max | 50.276 | 14:00:00 | |
| Min | 49.631 | 6:00:00 | |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 135 |
| below 49.97 Hz | 70 |
| above 50.00 Hz | 98 |
| below 50.00 Hz | 97 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:05:24 |
| above 50.03 | 0:05:19 |

| | |
|---|----------|
| No. of hours freq outside 49.9-50.05 Hz | 12:50:50 |
|---|----------|

Source : AGRA 10 Sec. (8640 samples)