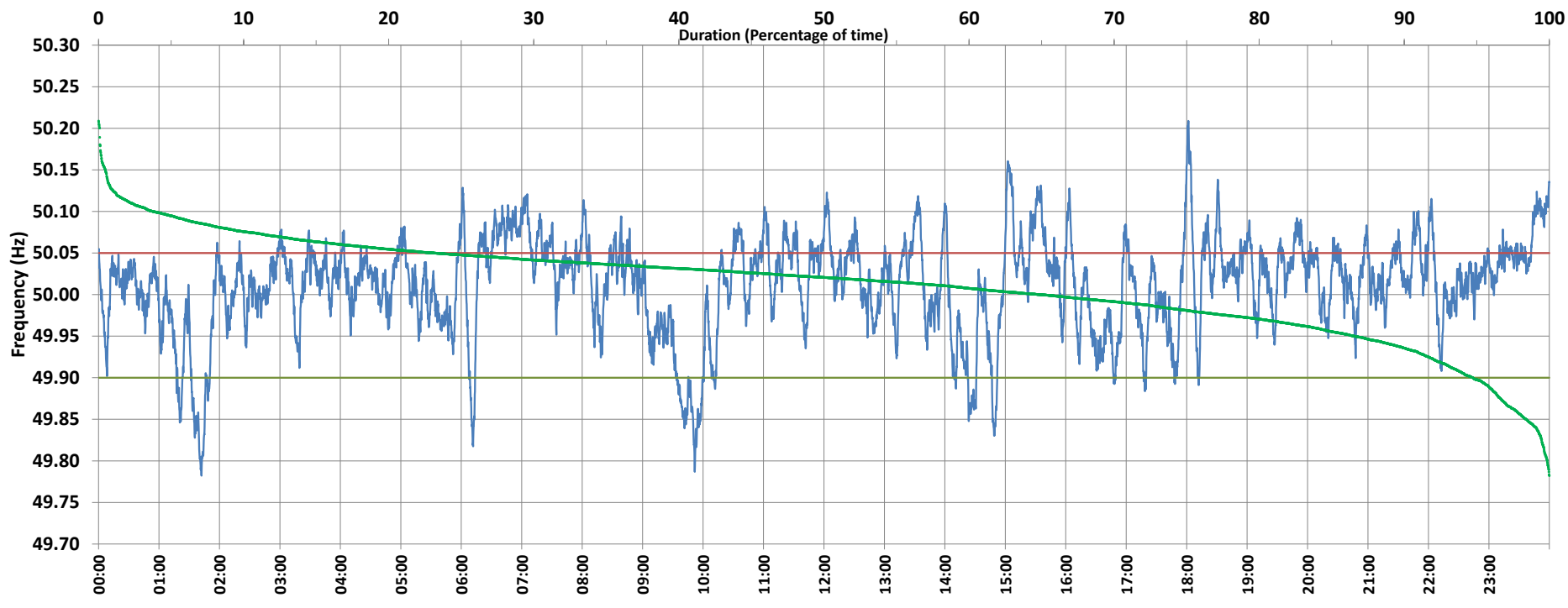


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-May-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 | 5.27 | 19.80 | 0.14 | 5.13 | 29.80 | 61.18 | 3.67 | 71.57 | 99.92 | 38.67 | 19.41 | 64.93 | 41.53 | 23.16 | 0.08 | 13.45 | 63.39 | 8.18 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.011 | Frequency Variation Index : 0.0352 | Standard Deviation : 0.0583 | Mileage: 43.2 | FDI: 28.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.209 | 18:01:40 |
| Min | 49.782 | 1:42:10 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|---------|
| Max | 50.105 | 0:00:00 |
| Min | 49.848 | 1:45:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 183 |
| below 49.97 Hz | 96 |
| above 50.00 Hz | 152 |
| below 50.00 Hz | 151 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:02:58 |
| above 50.03 | 0:03:16 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:49:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)