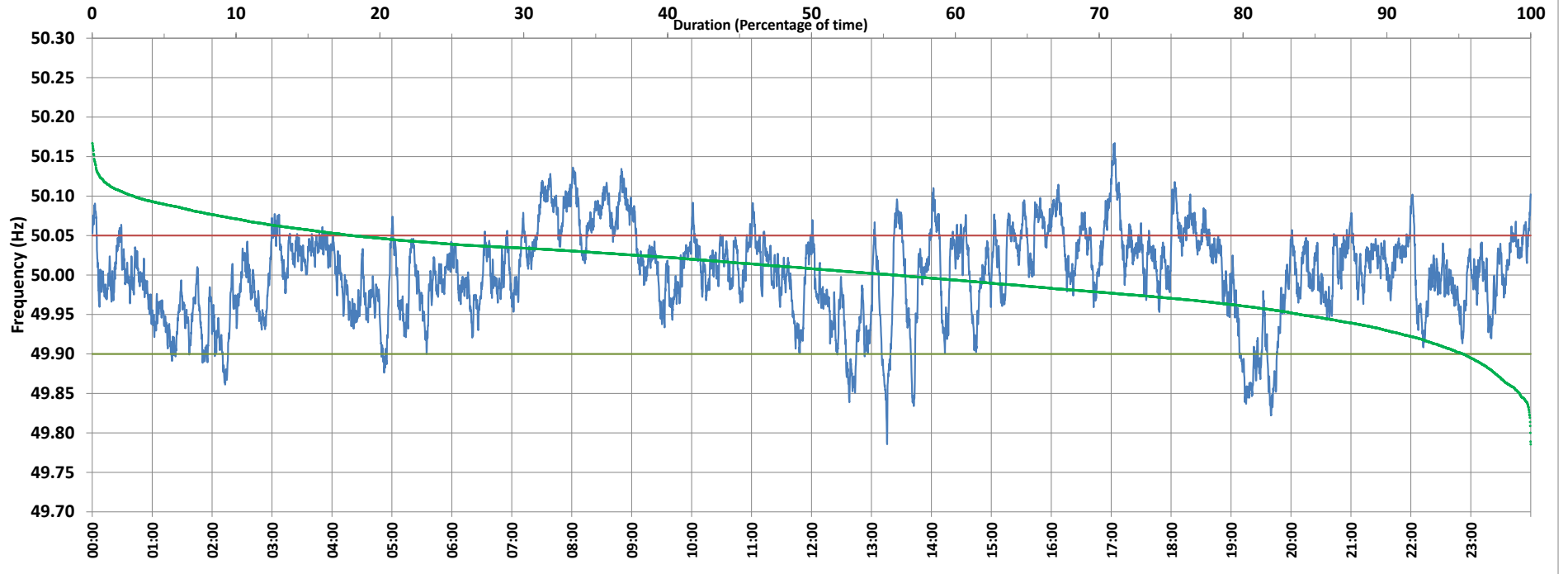


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-Jun-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  | 4.72   | 24.66  | 0.02      | 4.70      | 39.51     | 52.88     | 2.88      | 77.20       | 100.00    | 41.56       | 15.20      | 55.76 | 33.77  | 18.08  | 0.00  | 16.05  | 65.87       | 11.33       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.003 | Frequency Variation Index : 0.0308 | Standard Deviation : 0.0554 | Mileage: 43.7 | FDI: 22.8 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.167 | 17:03:30 |
| Min                     | 49.786 | 13:15:40 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.102 | 7:45:00  |
| Min                         | 49.873 | 19:30:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 190 |
| below 49.97 Hz    | 123 |
| above 50.00 Hz    | 161 |
| below 50.00 Hz    | 160 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:53 |
| above 50.03                             | 0:02:34 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:28:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)