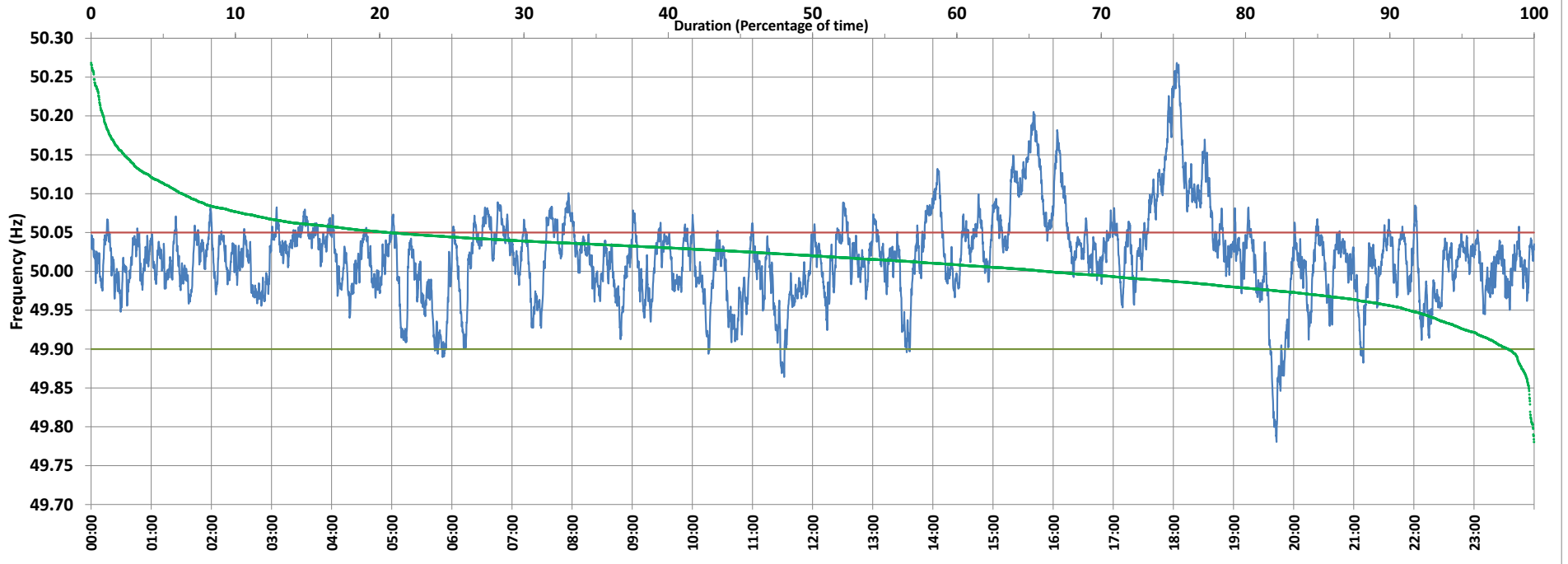


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Jun-2021 (Friday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 1.77   | 15.19  | 0.08      | 1.69      | 32.04     | 59.86     | 5.49      | 77.58       | 99.16     | 44.44       | 14.32      | 66.19 | 40.37  | 20.65  | 0.84  | 8.66   | 70.69       | 6.89        |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.018 | Frequency Variation Index : 0.0340 | Standard Deviation : 0.0555 | Mileage: 39.5 | FDI: 22.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.268 | 18:03:20 |
| Min                     | 49.780 | 19:42:50 |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.185 | 18:15:00 |
| Min                         | 49.899 | 19:45:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 203 |
| below 49.97 Hz    | 90  |
| above 50.00 Hz    | 156 |
| below 50.00 Hz    | 155 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:02:26 |
| above 50.03                             | 0:02:52 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 5:22:50 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)