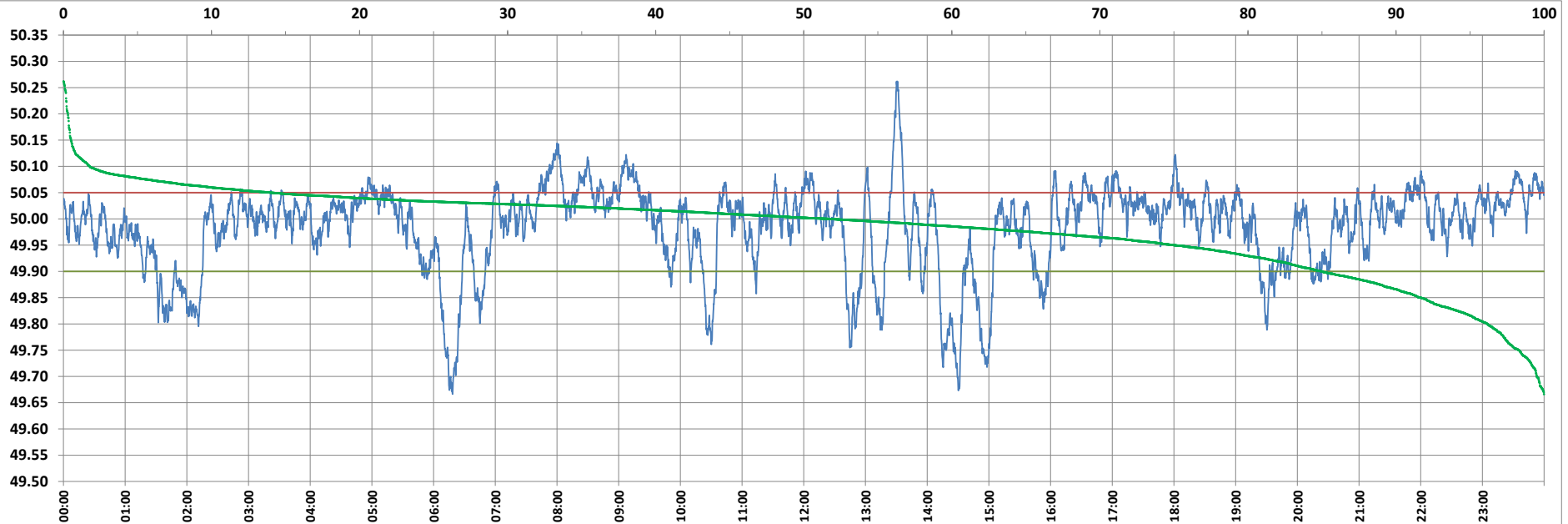


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Jul-2022 (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 |
| 0.50  | 15.02  | 32.31  | 3.33      | 11.19     | 33.17     | 50.03     | 1.47      | 70.97       | 99.20     | 39.83       | 12.23      | 51.79 | 27.86  | 14.00  | 0.30  | 25.00  | 61.00       | 9.98        |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 49.982 | Frequency Variation Index : 0.0682 | Standard Deviation : 0.0807 | Mileage: 45.4 | FDI: 29.0 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |        |          |
|-------------------------|--------|----------|
| Max                     | 50.262 | 13:31:00 |
| Min                     | 49.666 | 6:18:20  |

| 15 minute Average Frequency |        |          |
|-----------------------------|--------|----------|
| Max                         | 50.090 | 8:00:00  |
| Min                         | 49.762 | 14:30:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 194 |
| below 49.97 Hz    | 115 |
| above 50.00 Hz    | 161 |
| below 50.00 Hz    | 159 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:04:03 |
| above 50.03                             | 0:02:04 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 6:58:00 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)