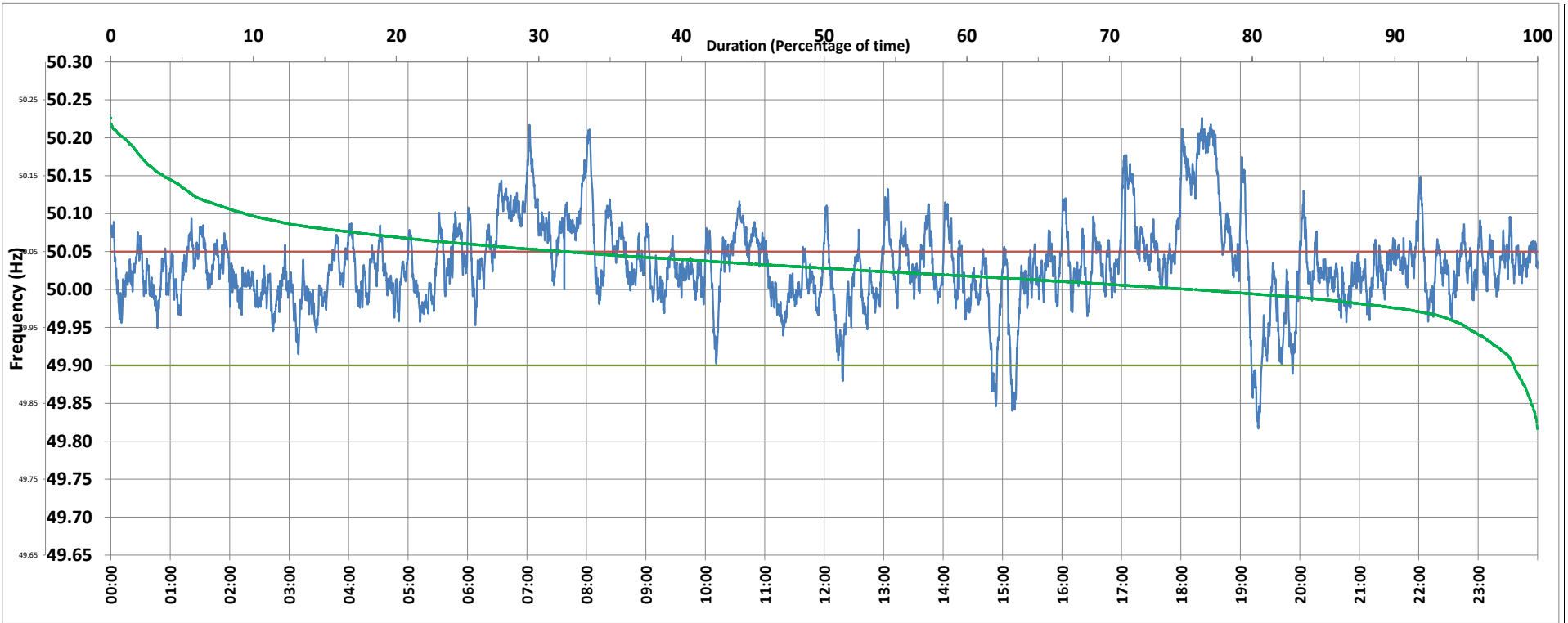


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 27-May-2020 (Wednesday)



| | | | | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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 | 1.64 | 8.08 | 0.00 | 1.64 | 22.34 | 66.55 | 8.54 | 66.57 | 99.07 | 43.62 | 22.48 | 75.81 | 48.30 | 31.78 | 0.93 | 4.99 | 63.23 | 3.34 |

| | | | | |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.032 | Frequency Variation Index : 0.0411 | Standard Deviation : 0.0555 | Mileage: 42.2 | FDI: 33.4 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency | | |
|-------------------------|--------|----------|
| Max | 50.226 | 18:21:10 |
| Min | 49.817 | 19:18:00 |

| 15 minute Average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.195 | 18:30:00 |
| Min | 49.896 | 19:30:00 |

| No. of excursions | |
|-------------------|-----|
| above 50.03 Hz | 183 |
| below 49.97 Hz | 63 |
| above 50.00 Hz | 165 |
| below 50.00 Hz | 161 |

| Average time freq per excursion remains | |
|---|---------|
| below 49.97 | 0:01:51 |
| above 50.03 | 0:03:48 |

| | |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 8:01:20 |
|---|---------|

Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)