

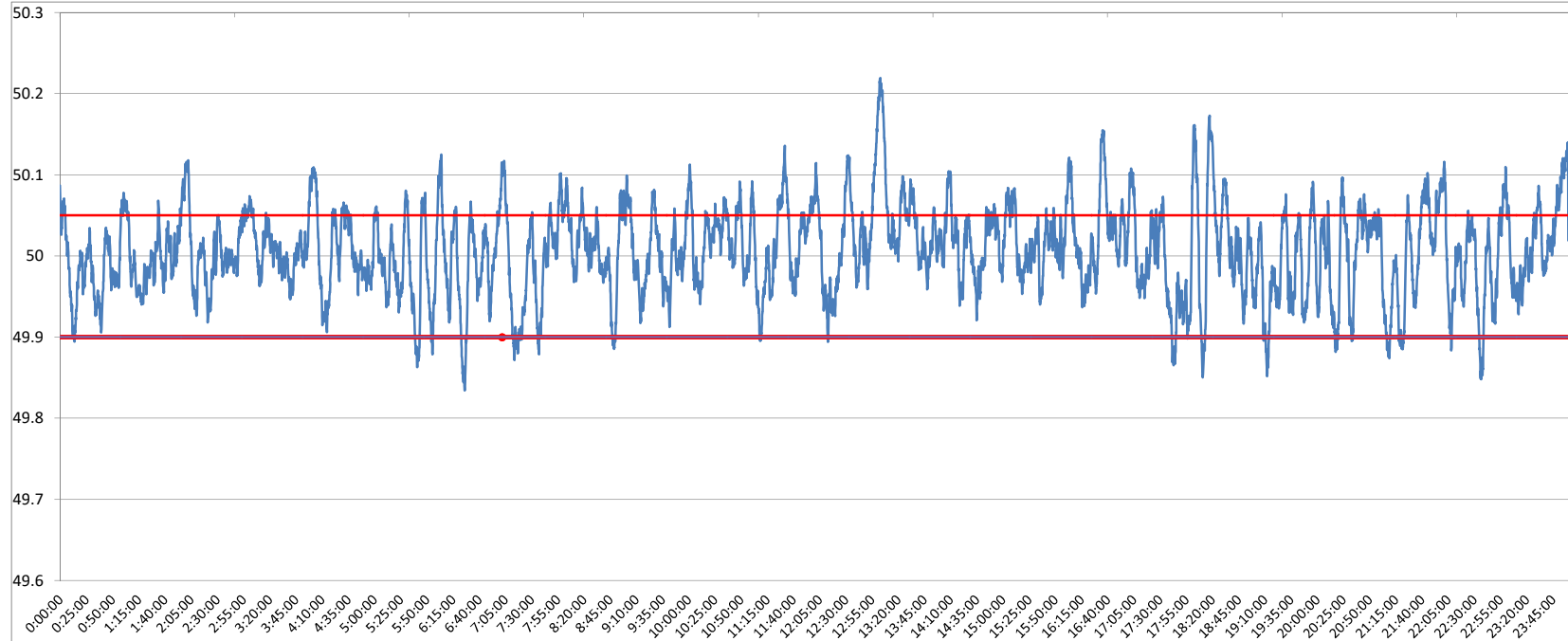


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

09-Mar-17



| <49.2 | <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 |
|-------|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|
| 0 | 0.00 | 3.43 | 25.24 | 0.00 | 3.43 | 42.43 | 50.41 | 3.56 | 76.22 | 99.83 | 41.60 | 16.69 | 54.05 | 33.16 | 20.36 | 0.17 |

| | | | | | | | | |
|--|--------------|-----------------|---|---------------|-----------------|--|--|--------------|
| Average Frequency | | 50.01 | Frequency Variation Index : | | 0.030 | Standard Deviation : | | 0.055 |
| Instantaneous Frequency | | | 15 minute average Frequency | | | No. of excursion above 50.03 Hz | | 168 |
| Max | 50.22 | 13:03:00 | Max | 50.116 | 13:15:00 | No. of excursion below 49.97 Hz | | 130 |
| Min | 49.83 | 6:26:10 | Min | 49.937 | 18:00:00 | No. of excursion above 50.00 Hz | | 174 |
| Average time freq remains below 49.97 per excursion | | 0:02:48 | Average time frequency remains above 50.03 per excursion | | 0:02:51 | No. of excursion below 50.00 Hz | | 177 |