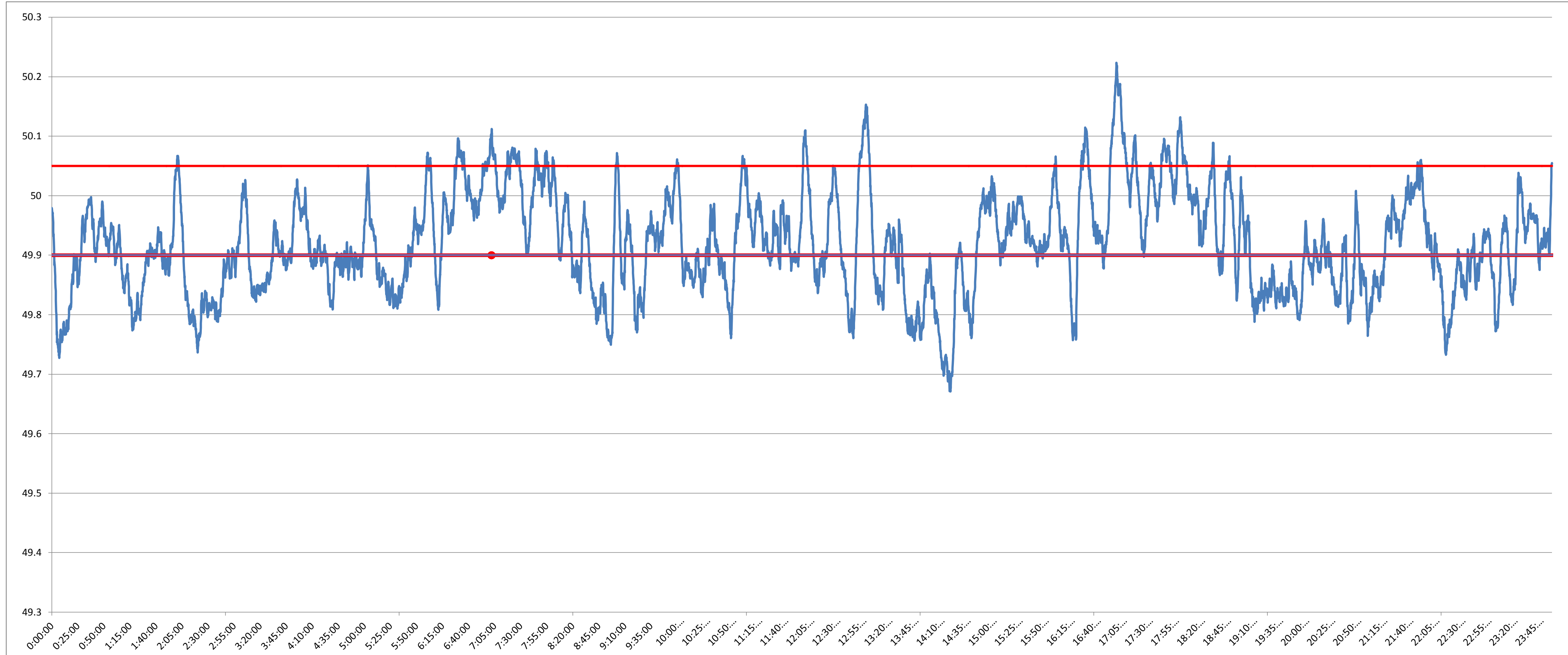




POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for 06-May-15



| <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 | 0.24 | 42.59 | 72.62 | 7.30 | 35.05 | 39.48 | 16.33 | 1.52 | 49.62 | 99.68 | 15.91 | 6.23 | 17.89 | 11.47 | 7.79 | 0.08 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.92 | Frequency Variation Index : | 0.138 | Standard Deviation : | 0.085 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| MAX | 50.22 | 17:01:50 |
| Min | 49.67 | 14:22:20 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.116 | 17:15:00 |
| Min | 49.750 | 14:30:00 |

| | |
|---------------------------------|----|
| No. of excursion above 50.03 Hz | 53 |
| No. of excursion below 49.97 Hz | 71 |
| No. of excursion above 50.00 Hz | 67 |
| No. of excursion below 50.00 Hz | 68 |

| | | | |
|------------------------------------------------------------|----------------|-----------------------------------------------------------------|----------------|
| Average time freq remains below 49.97 per excursion | 0:14:44 | Average time frequency remains above 50.03 per excursion | 0:03:07 |
|------------------------------------------------------------|----------------|-----------------------------------------------------------------|----------------|