

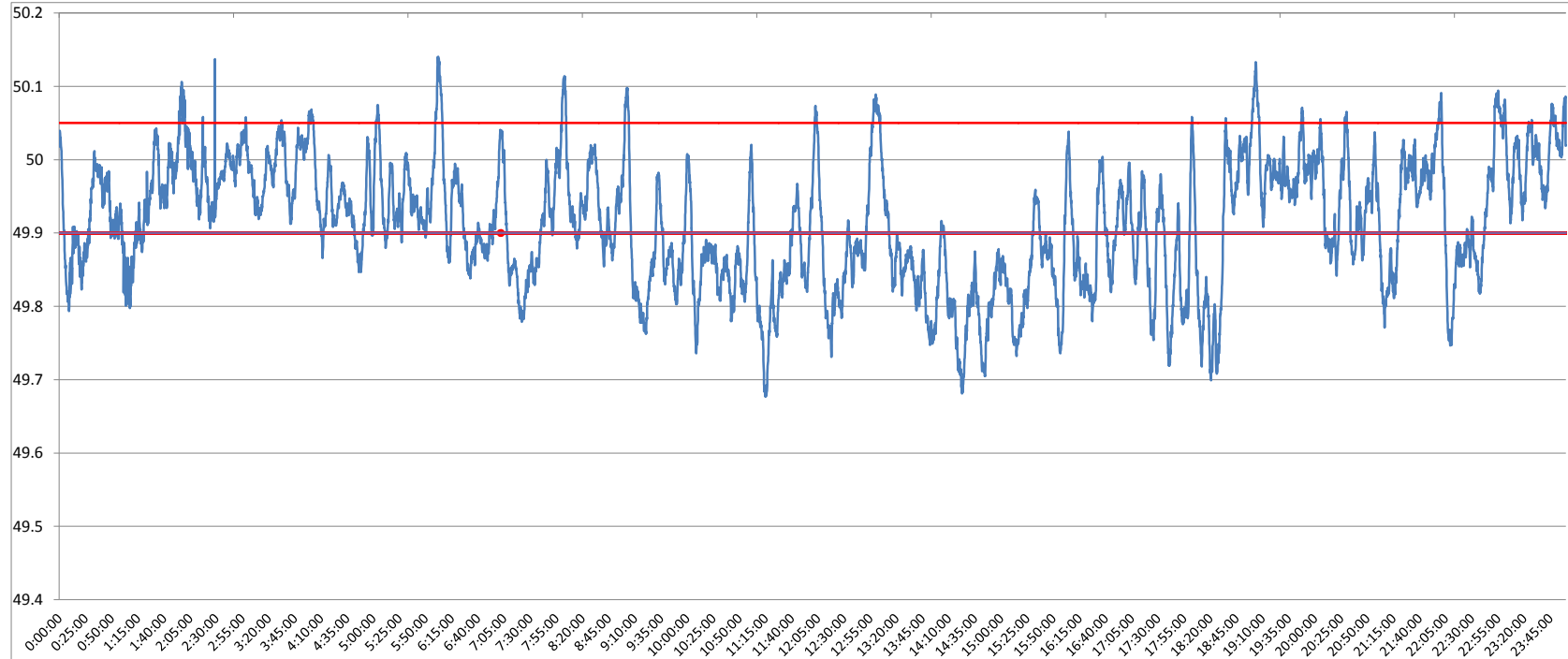


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

13-Oct-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 | 0.38 | 44.57 | 71.06 | 9.72 | 34.47 | 38.50 | 16.42 | 0.51 | 50.67 | 99.62 | 21.04 | 4.26 | 16.91 | 7.89 | 4.76 | 0.00 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.91 | Frequency Variation Index : | 0.150 | Standard Deviation : | 0.086 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| Max | 50.14 | 6:02:00 |
| Min | 49.68 | 11:14:50 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.043 | 0:00:00 |
| Min | 49.745 | 14:30:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 63 |
| No. of excursion below 49.97 Hz | 102 |
| No. of excursion above 50.00 Hz | 95 |
| No. of excursion below 50.00 Hz | 92 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:10:02 | Average time frequency remains above 50.03 per excursion | 0:01:48 |
|---|---------|--|---------|