

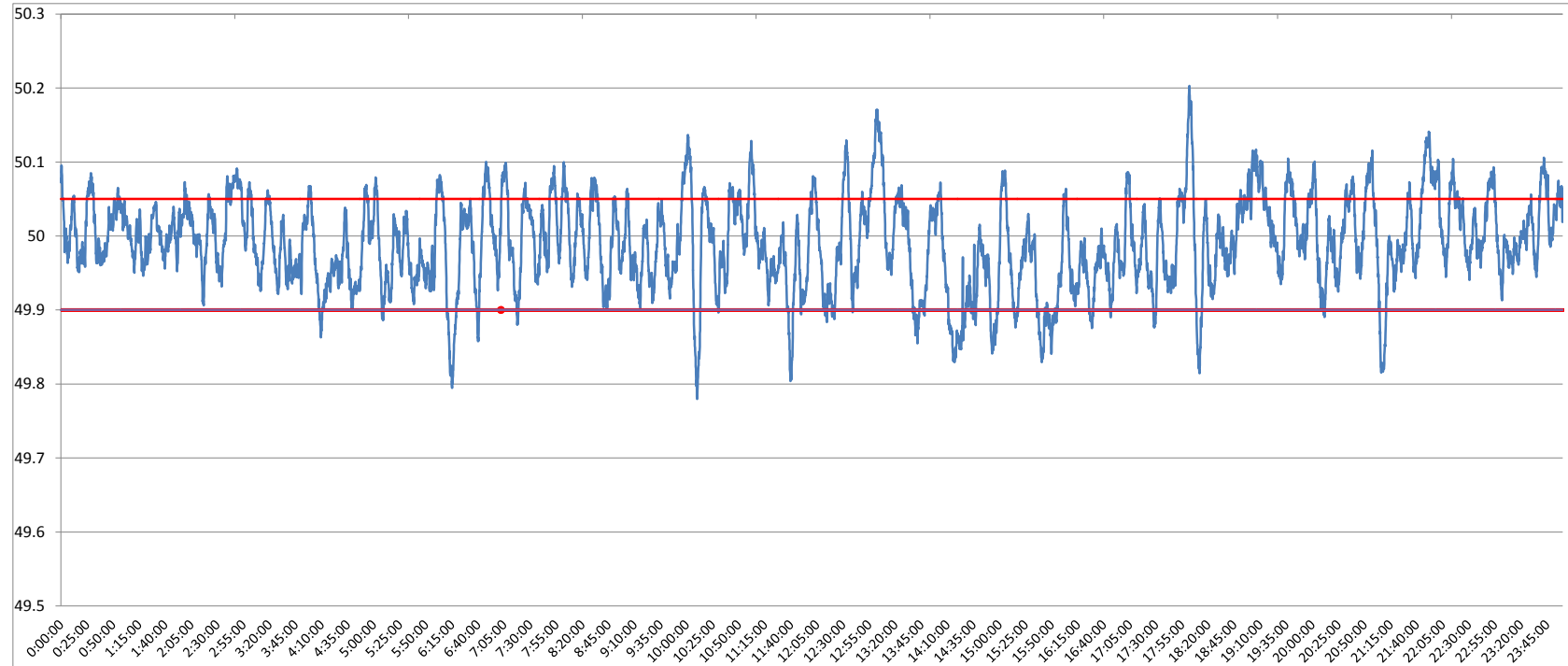


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

17-Oct-16



| <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 | 7.22 | 37.70 | 0.09 | 7.13 | 49.85 | 40.43 | 2.49 | 75.34 | 99.99 | 35.25 | 15.00 | 42.91 | 27.05 | 17.44 | 0.01 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.99 | Frequency Variation Index : | 0.039 | Standard Deviation : | 0.061 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | |
|--------------------------------|-----------------------|
| Max | 50.2 18:02:00 |
| Min | 49.78 10:10:00 |

| 15 minute average Frequency | | |
|------------------------------------|---------------|-----------------|
| Max | 50.095 | 22:00:00 |
| Min | 49.870 | 14:30:00 |

| | |
|--|------------|
| No. of excursion above 50.03 Hz | 107 |
| No. of excursion below 49.97 Hz | 159 |
| No. of excursion above 50.00 Hz | 145 |
| No. of excursion below 50.00 Hz | 144 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:03:25 | Average time frequency remains above 50.03 per excursion | 0:03:38 |
|--|----------------|---|----------------|