

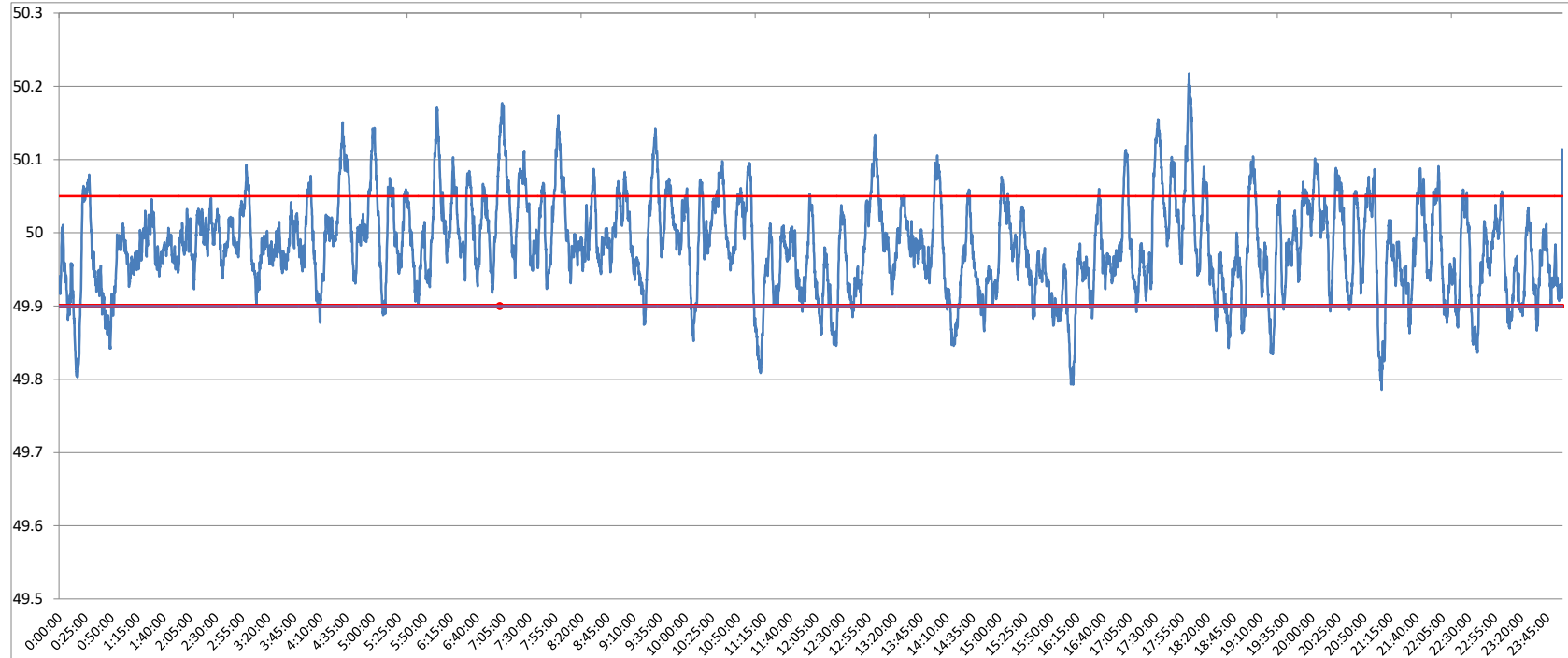


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

25-Feb-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 | 9.10 | 42.94 | 0.15 | 8.95 | 53.75 | 33.76 | 3.31 | 75.51 | 99.92 | 34.17 | 12.04 | 37.07 | 22.89 | 15.39 | 0.08 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.98 | Frequency Variation Index : | 0.044 | Standard Deviation : | 0.064 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | |
|-------------------------|----------------|
| Max | 50.22 18:02:10 |
| Min | 49.79 21:06:30 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.087 | 7:15:00 |
| Min | 49.876 | 16:15:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 103 |
| No. of excursion below 49.97 Hz | 158 |
| No. of excursion above 50.00 Hz | 140 |
| No. of excursion below 50.00 Hz | 141 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:03:55 | Average time frequency remains above 50.03 per excursion | 0:03:12 |
|---|---------|--|---------|