

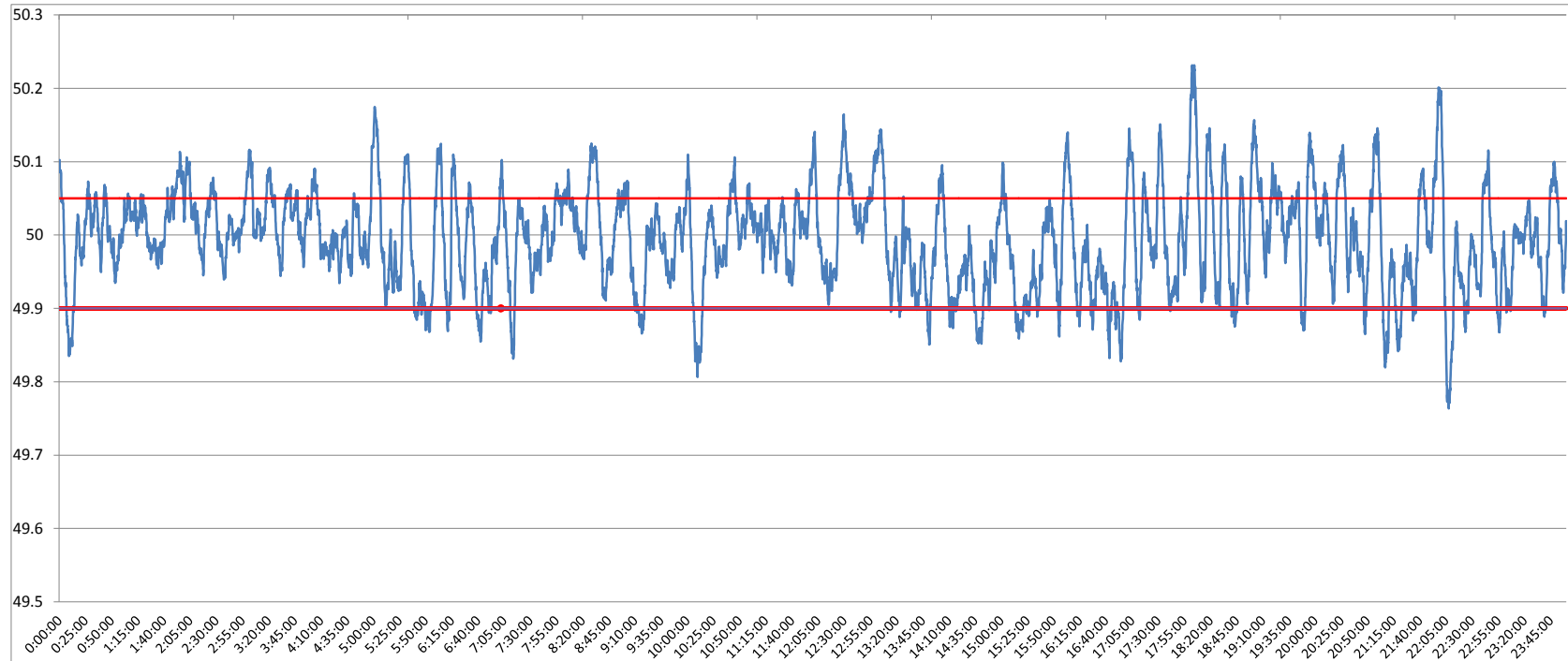


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

18-Feb-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 | 8.98 | 35.39 | 0.25 | 8.73 | 43.70 | 41.24 | 5.83 | 70.75 | 99.76 | 34.22 | 14.24 | 47.23 | 30.38 | 20.27 | 0.24 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.99 | Frequency Variation Index : | 0.047 | Standard Deviation : | 0.068 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| Max | 50.23 | 18:02:30 |
| Min | 49.76 | 22:07:30 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.078 | 18:15:00 |
| Min | 49.897 | 15:30:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 132 |
| No. of excursion below 49.97 Hz | 130 |
| No. of excursion above 50.00 Hz | 157 |
| No. of excursion below 50.00 Hz | 149 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:03:55 | Average time frequency remains above 50.03 per excursion | 0:03:19 |
|---|---------|--|---------|