

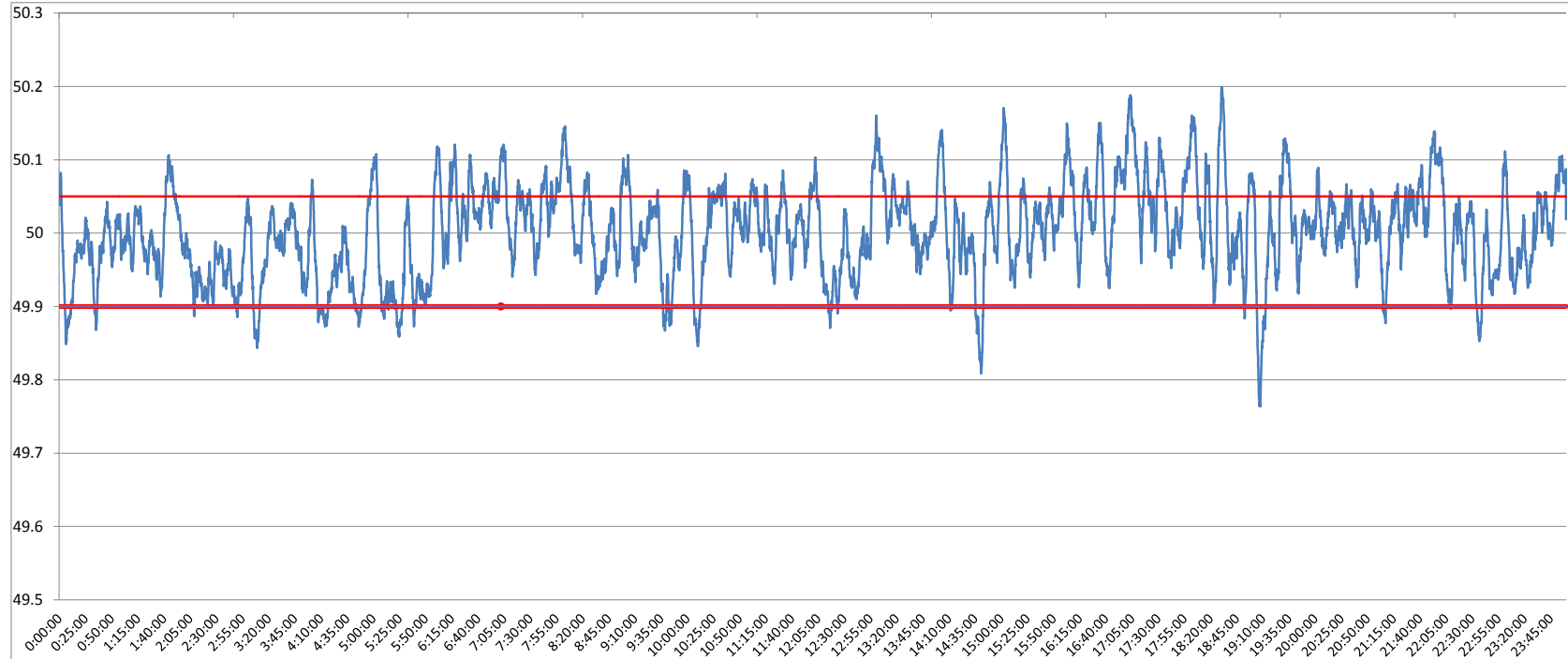


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

05-Apr-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 | 5.82 | 30.21 | 0.15 | 5.67 | 42.73 | 45.52 | 5.93 | 72.08 | 100.00 | 37.34 | 16.24 | 51.38 | 32.45 | 22.09 | 0.00 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 50.00 | Frequency Variation Index : | 0.040 | Standard Deviation : | 0.063 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| Max | 50.2 | 18:30:40 |
| Min | 49.76 | 19:07:30 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.102 | 17:15:00 |
| Min | 49.902 | 5:30:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 147 |
| No. of excursion below 49.97 Hz | 133 |
| No. of excursion above 50.00 Hz | 139 |
| No. of excursion below 50.00 Hz | 137 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:03:16 | Average time frequency remains above 50.03 per excursion | 0:03:11 |
|---|---------|--|---------|