

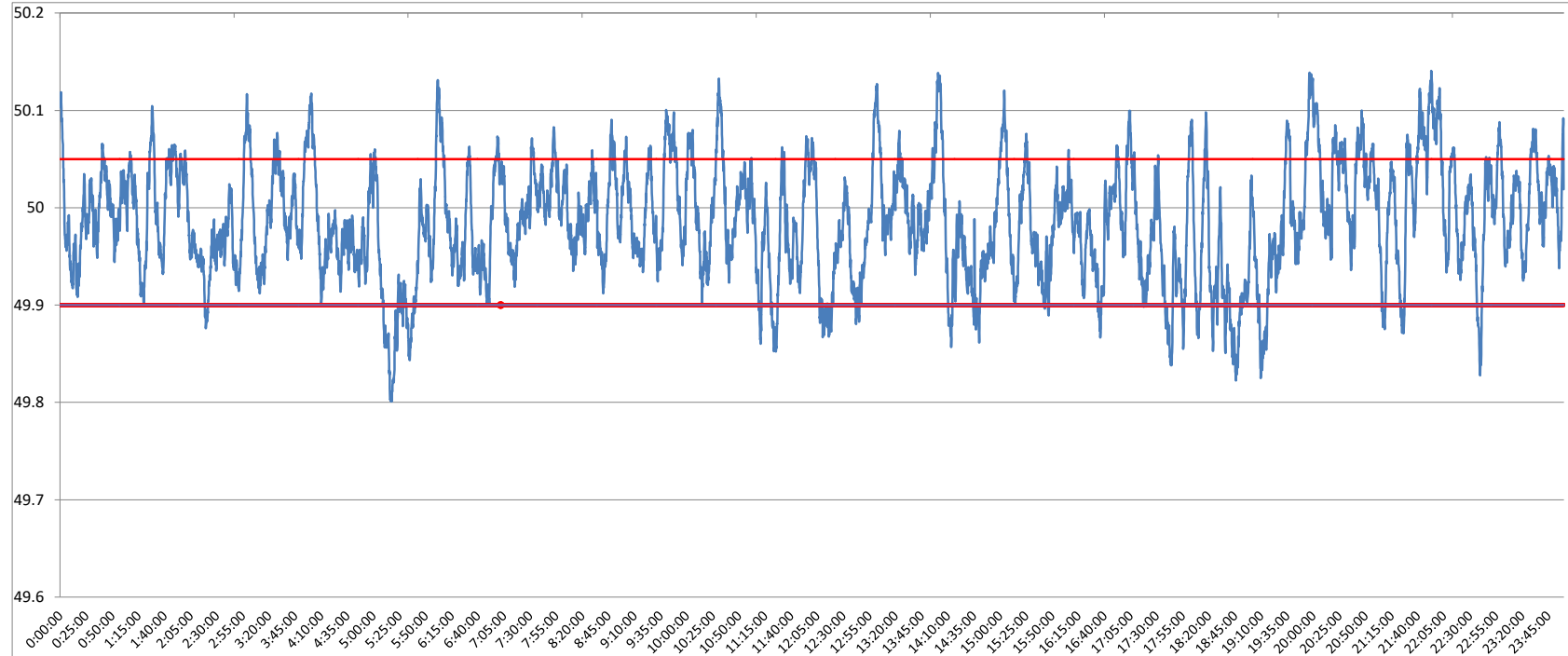


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

30-Sep-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 | 7.63 | 41.02 | 0.00 | 7.63 | 52.84 | 37.25 | 2.29 | 77.71 | 100.00 | 35.49 | 12.41 | 39.49 | 23.50 | 14.66 | 0.00 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.98 | Frequency Variation Index : | 0.037 | Standard Deviation : | 0.059 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| | |
|--------------------------------|-----------------------|
| Instantaneous Frequency | |
| Max | 50.14 21:53:00 |
| Min | 49.80 5:16:50 |

| | |
|------------------------------------|------------------------|
| 15 minute average Frequency | |
| Max | 50.089 22:00:00 |
| Min | 49.869 5:30:00 |

| | |
|--|------------|
| No. of excursion above 50.03 Hz | 127 |
| No. of excursion below 49.97 Hz | 162 |
| No. of excursion above 50.00 Hz | 148 |
| No. of excursion below 50.00 Hz | 148 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:03:39 | Average time frequency remains above 50.03 per excursion | 0:02:40 |
|--|----------------|---|----------------|