

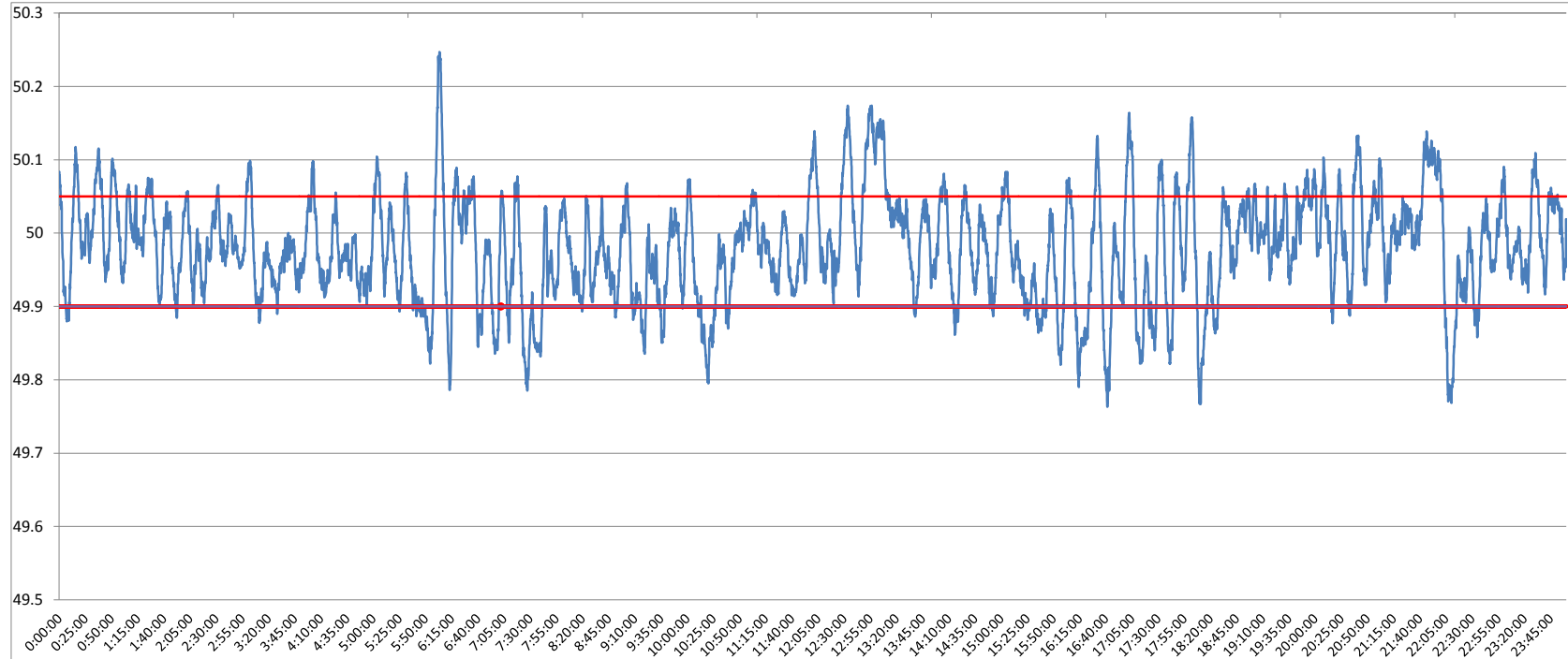


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

MPPTCL BINA:Frequency

National Grid Frequency Profile for

02-Jan-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 | 13.26 | 45.23 | 0.96 | 12.30 | 48.43 | 33.89 | 4.20 | 70.90 | 99.78 | 30.75 | 11.48 | 38.28 | 24.02 | 15.83 | 0.22 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.98 | Frequency Variation Index : | 0.057 | Standard Deviation : | 0.072 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| Max | 50.25 | 6:03:20 |
| Min | 49.76 | 16:41:20 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.102 | 22:00:00 |
| Min | 49.867 | 10:30:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 107 |
| No. of excursion below 49.97 Hz | 135 |
| No. of excursion above 50.00 Hz | 128 |
| No. of excursion below 50.00 Hz | 127 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:04:49 | Average time frequency remains above 50.03 per excursion | 0:03:14 |
|---|---------|--|---------|