

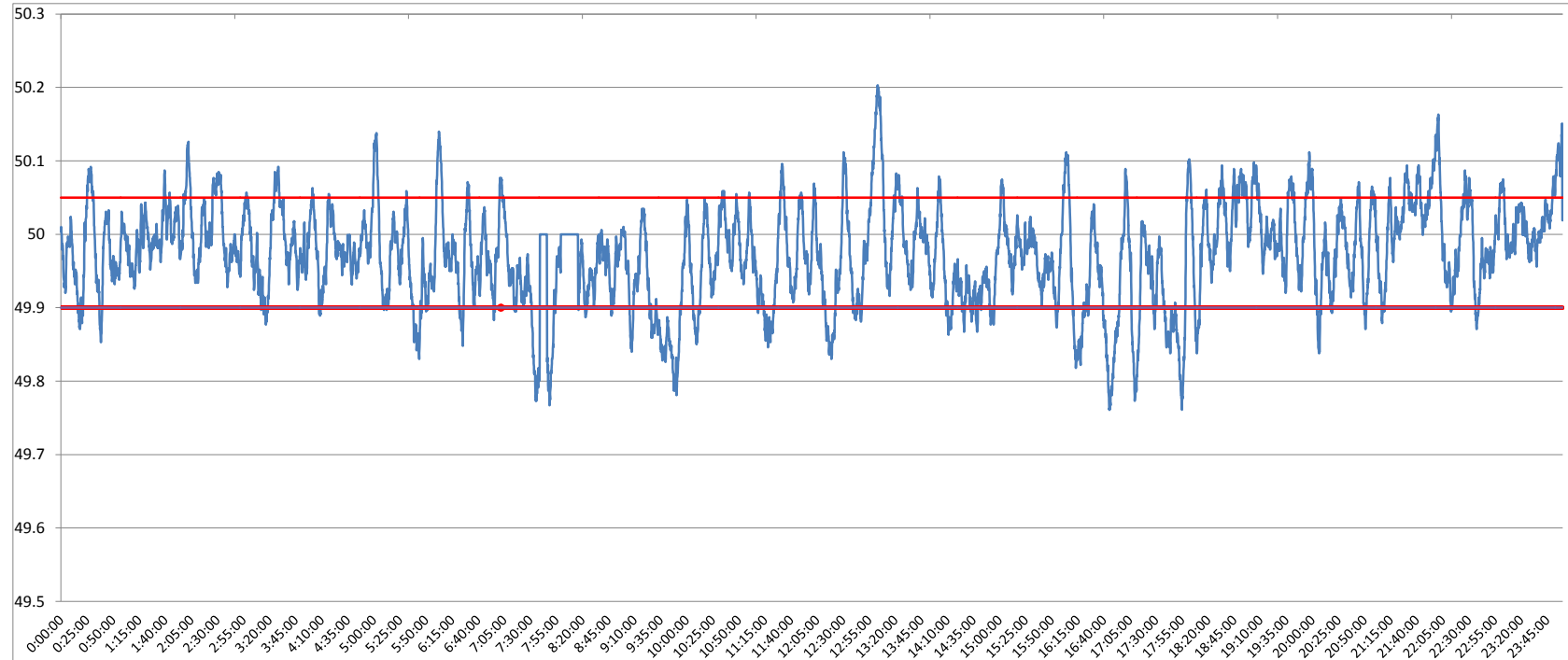


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

MEERUT:Frequency

National Grid Frequency Profile for

08-Dec-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 | 13.78 | 45.97 | 1.02 | 12.77 | 51.35 | 32.70 | 2.13 | 74.32 | 99.97 | 34.25 | 9.88 | 31.86 | 19.78 | 11.90 | 0.03 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.97 | Frequency Variation Index : | 0.052 | Standard Deviation : | 0.067 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | 15 minute average Frequency | | No. of excursion above 50.03 Hz | |
|-------------------------|----------------|-----------------------------|-----------------|---------------------------------|-----|
| Max | 50.2 13:03:00 | Max | 50.074 13:15:00 | No. of excursion below 49.97 Hz | 111 |
| Min | 49.76 16:45:10 | Min | 49.861 9:45:00 | No. of excursion above 50.00 Hz | 82 |
| | | | | No. of excursion below 50.00 Hz | 81 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:06:11 | Average time frequency remains above 50.03 per excursion | 0:02:34 |
|--|----------------|---|----------------|