

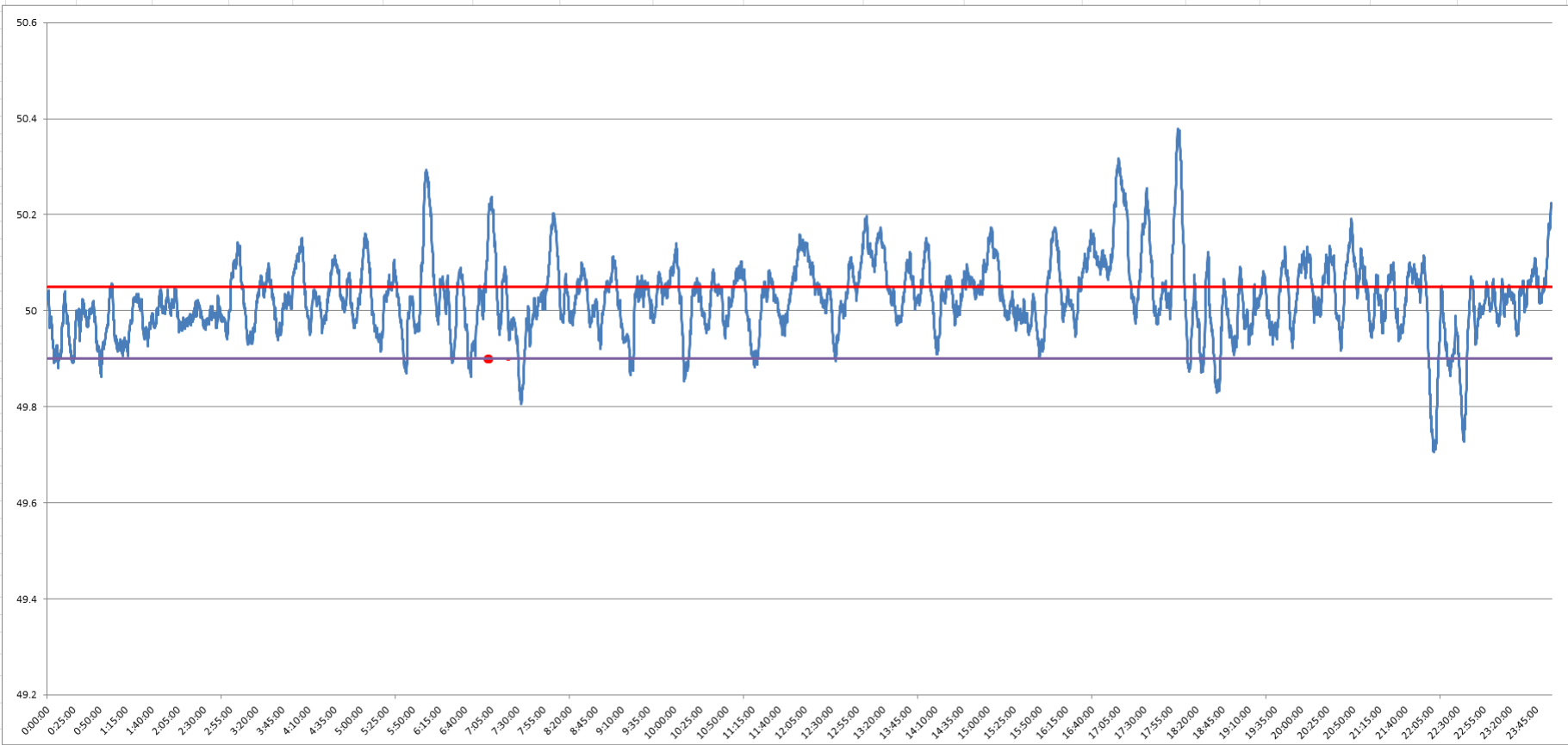


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

08-Feb-15



| <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 | 4.34 | 20.80 | 0.69 | 3.65 | 33.09 | 48.44 | 11.55 | 61.72 | 97.42 | 33.55 | 19.92 | 62.56 | 45.65 | 33.94 | 2.58 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 50.03 | Frequency Variation Index : | 0.068 | Standard Deviation : | 0.079 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| | | | | | | | |
|--------------------------------|--------------|-----------------|------------------------------------|---------------|-----------------|--|------------|
| Instantaneous Frequency | | | 15 minute average Frequency | | | No. of excursion above 50.03 Hz | 140 |
| MAX | 50.38 | 18:02:00 | Max | 50.240 | 17:15:00 | No. of excursion below 49.97 Hz | 113 |
| Min | 49.71 | 22:07:10 | Min | 49.853 | 22:15:00 | No. of excursion above 50.00 Hz | 135 |
| | | | | | | No. of excursion below 50.00 Hz | 134 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:02:39 | Average time frequency remains above 50.03 per excursion | 0:04:42 |
|--|----------------|---|----------------|