

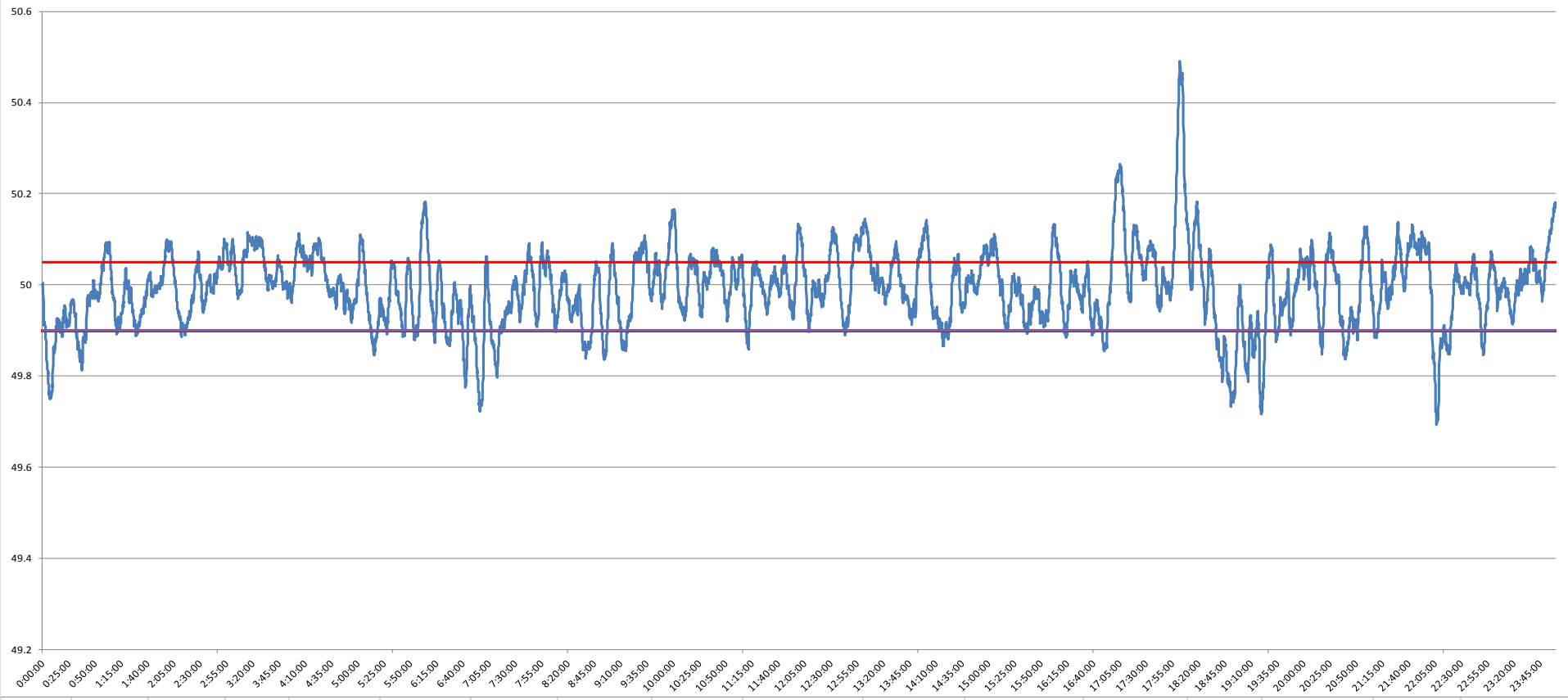


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

12-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 | 0.02 | 12.45 | 37.80 | 1.90 | 10.53 | 40.95 | 39.95 | 5.54 | 64.53 | 98.88 | 30.57 | 16.46 | 46.53 | 31.63 | 23.02 | 1.10 |

| | | | | | | | | |
|--|--------------|-----------------|---|---------------|-----------------|--|--|--------------|
| Average Frequency | | 49.99 | Frequency Variation Index : | | 0.074 | Standard Deviation : | | 0.085 |
| Instantaneous Frequency | | | 15 minute average Frequency | | | No. of excursion above 50.03 Hz | | 105 |
| MAX | 50.49 | 18:02:20 | Max | 50.230 | 18:15:00 | No. of excursion below 49.97 Hz | | 103 |
| Min | 49.69 | 22:06:40 | Min | 49.832 | 19:00:00 | No. of excursion above 50.00 Hz | | 141 |
| Average time freq remains below 49.97 per excursion | | 0:05:17 | Average time frequency remains above 50.03 per excursion | | 0:04:20 | No. of excursion below 50.00 Hz | | 137 |