

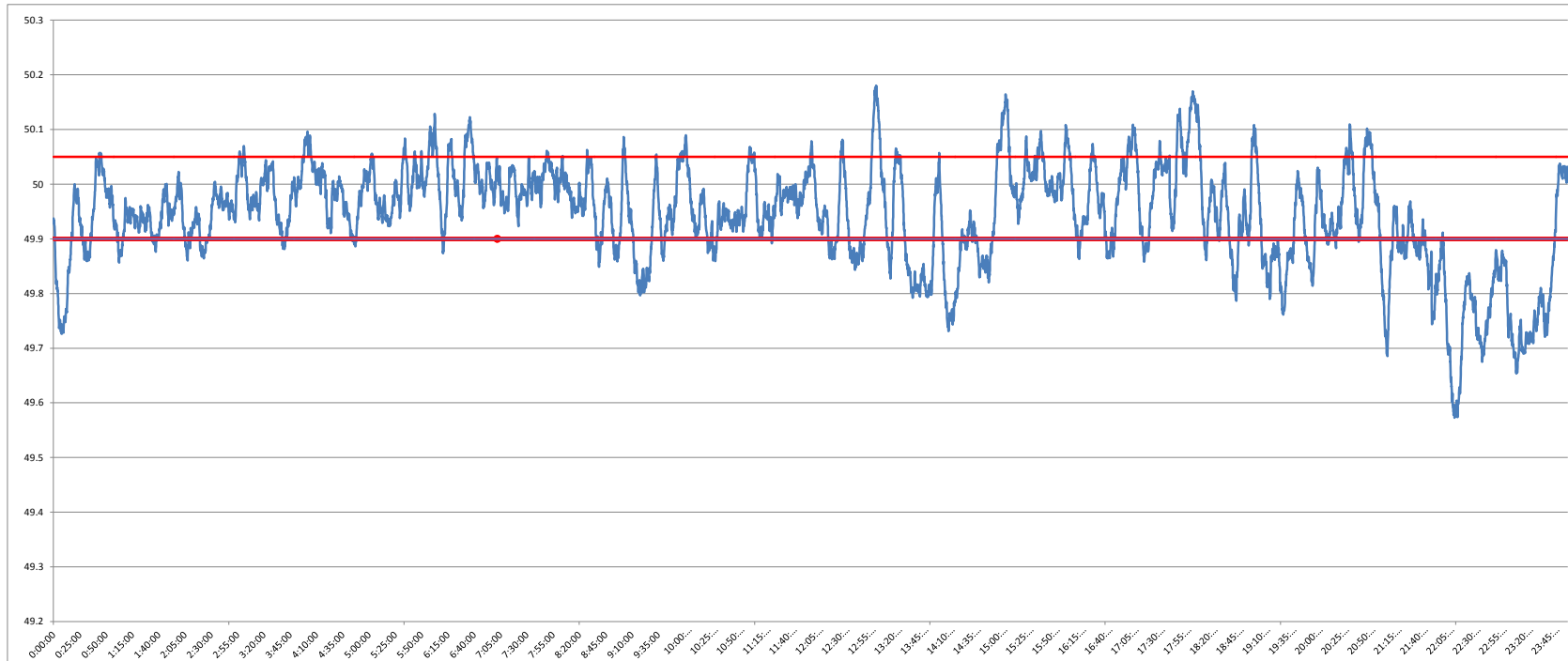


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

04-May-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 | 1.69 | 28.24 | 57.87 | 6.41 | 20.14 | 43.90 | 25.57 | 2.29 | 62.11 | 98.31 | 26.24 | 7.42 | 27.79 | 15.89 | 9.65 | 0.00 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.94 | Frequency Variation Index : | 0.123 | Standard Deviation : | 0.094 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| | |
|--------------------------------|-----------------------|
| Instantaneous Frequency | |
| MAX | 50.18 13:02:10 |
| Min | 49.57 22:12:10 |

| | | |
|------------------------------------|---------------|-----------------|
| 15 minute average Frequency | | |
| Max | 50.081 | 18:15:00 |
| Min | 49.700 | 22:15:00 |

| | |
|--|------------|
| No. of excursion above 50.03 Hz | 100 |
| No. of excursion below 49.97 Hz | 105 |
| No. of excursion above 50.00 Hz | 109 |
| No. of excursion below 50.00 Hz | 107 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:07:56 | Average time frequency remains above 50.03 per excursion | 0:02:17 |
|--|----------------|---|----------------|