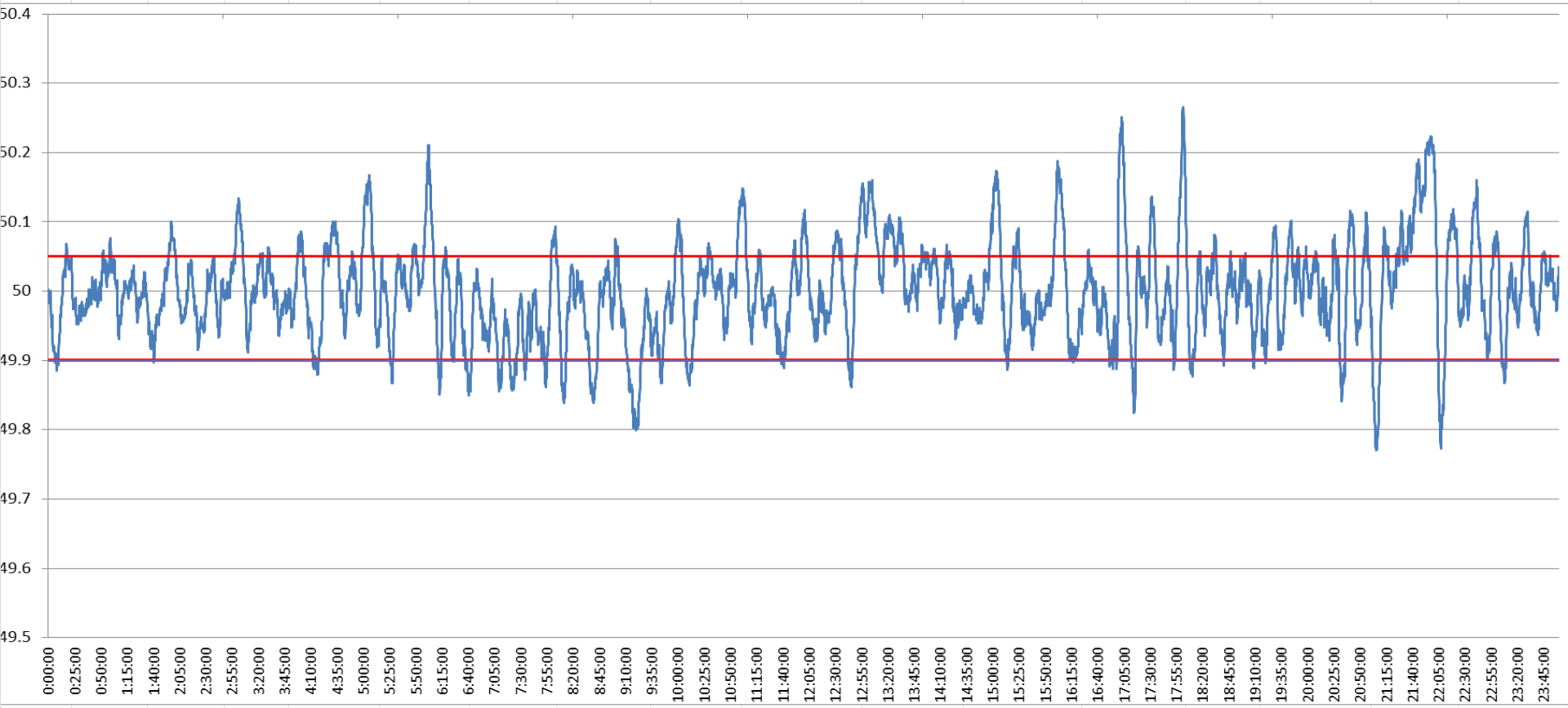
# POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SRIPERUMBUDUR:Frequency

National Grid Frequency Profile for 13-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 | 7.43 | 31.92 | 0.28 | 7.15 | 43.59 | 41.35 | 6.66 | 71.90 | 99.03 | 38.25 | 13.51 | 47.73 | 29.83 | 20.67 | 0.97 |

| Average Frequency | 50.00 | Frequency Variation Index : | 0.050 | Standard Deviation : | 0.071 |
|---|---|---|---|---|---|

| Instantaneous Frequency | | |
|---|---|---|
| Max | 50.27 | 18:01:20 |
| Min | 49.77 | 21:05:50 |

| 15 minute average Frequency | | |
|---|---|---|
| Max | 50.178 | 22:00:00 |
| Min | 49.871 | 9:30:00 |

| | |
|---|---|
| No. of excursion above 50.03 Hz | 106 |
| No. of excursion below 49.97 Hz | 114 |
| No. of excursion above 50.00 Hz | 104 |
| No. of excursion below 50.00 Hz | 107 |

| Average time freq remains below 49.97 per excursion | 0:04:02 | Average time frequency remains above 50.03 per excursion | 0:04:03 |
|---|---|---|---|