

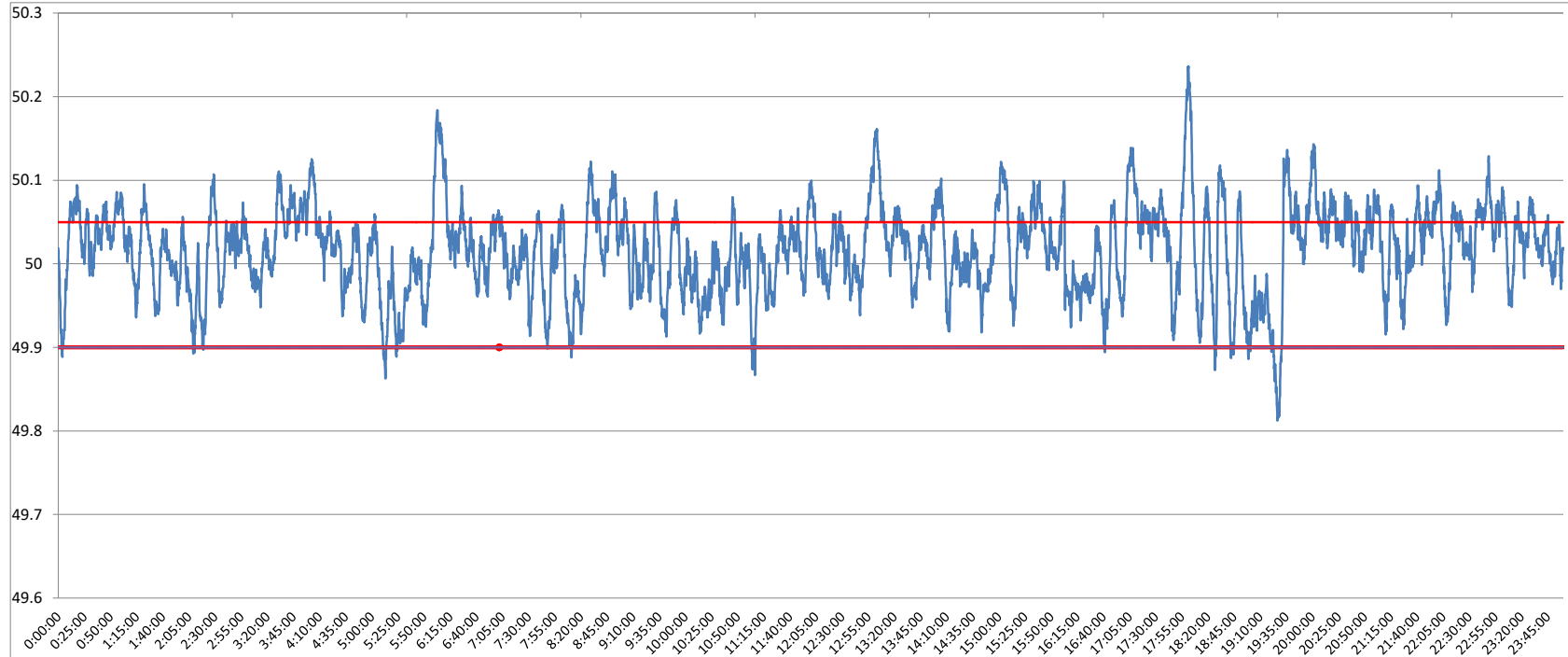


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

02-Sep-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 | 1.61 | 19.68 | 0.00 | 1.61 | 34.48 | 59.43 | 4.25 | 72.38 | 99.77 | 38.95 | 21.61 | 63.89 | 41.38 | 26.01 | 0.23 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 50.02 | Frequency Variation Index : | 0.031 | Standard Deviation : | 0.053 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| | | |
|--------------------------------|--------------|-----------------|
| Instantaneous Frequency | | |
| Max | 50.24 | 18:01:20 |
| Min | 49.81 | 19:26:30 |

| | | | |
|------------------------------------|---------------|-----------------|--|
| 15 minute average Frequency | | | |
| Max | 50.115 | 6:15:00 | |
| Min | 49.894 | 19:30:00 | |

| | |
|--|------------|
| No. of excursion above 50.03 Hz | 191 |
| No. of excursion below 49.97 Hz | 120 |
| No. of excursion above 50.00 Hz | 145 |
| No. of excursion below 50.00 Hz | 143 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:02:22 | Average time frequency remains above 50.03 per excursion | 0:03:07 |
|--|----------------|---|----------------|