

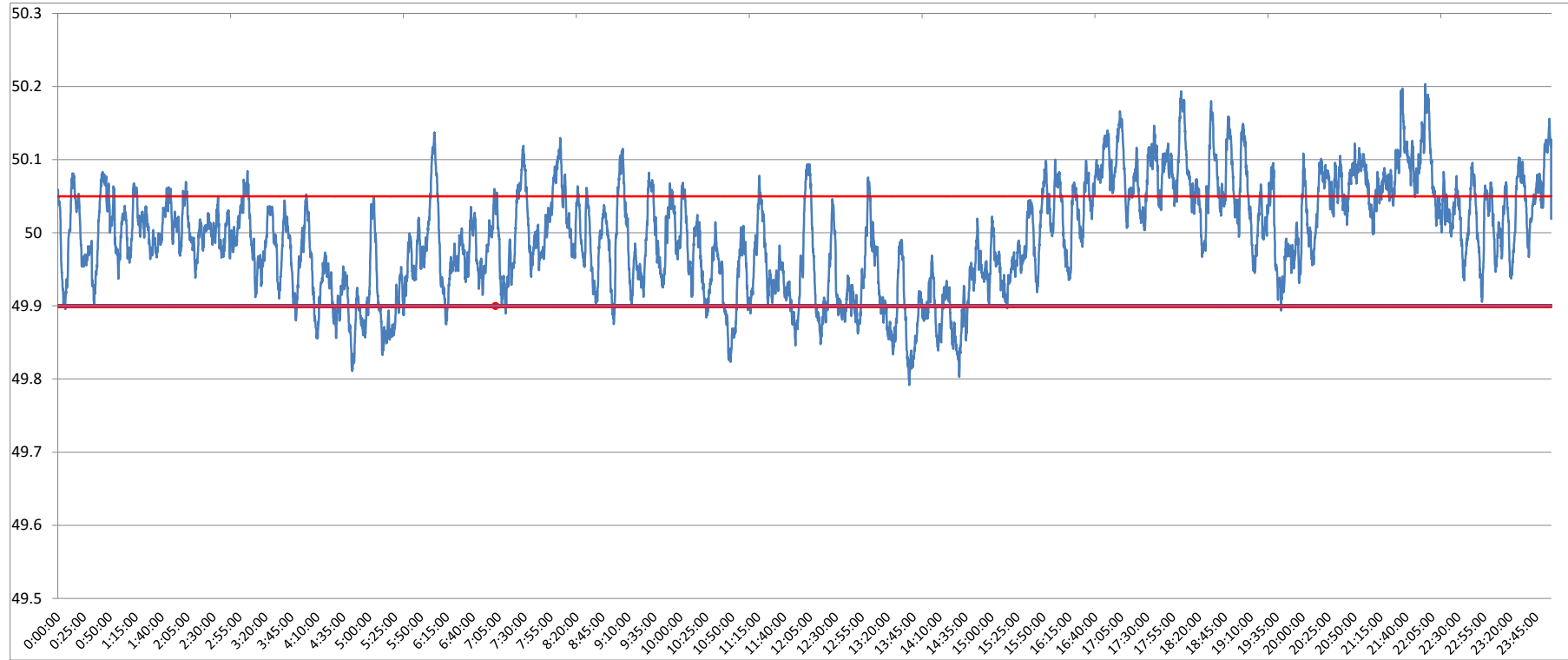


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

28-May-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 | 10.84 | 37.44 | 0.03 | 10.81 | 41.34 | 41.06 | 6.74 | 64.22 | 99.99 | 28.53 | 18.23 | 47.77 | 34.03 | 24.93 | 0.01 |

| | | | | | |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|
| Average Frequency | 49.99 | Frequency Variation Index : | 0.053 | Standard Deviation : | 0.073 |
|--------------------------|--------------|------------------------------------|--------------|-----------------------------|--------------|

| Instantaneous Frequency | | |
|-------------------------|-------|----------|
| Max | 50.2 | 21:58:20 |
| Min | 49.79 | 13:41:00 |

| 15 minute average Frequency | | |
|-----------------------------|--------|----------|
| Max | 50.118 | 21:45:00 |
| Min | 49.873 | 14:30:00 |

| | |
|---------------------------------|-----|
| No. of excursion above 50.03 Hz | 117 |
| No. of excursion below 49.97 Hz | 115 |
| No. of excursion above 50.00 Hz | 105 |
| No. of excursion below 50.00 Hz | 105 |

| | | | |
|--|----------------|---|----------------|
| Average time freq remains below 49.97 per excursion | 0:04:41 | Average time frequency remains above 50.03 per excursion | 0:04:11 |
|--|----------------|---|----------------|