



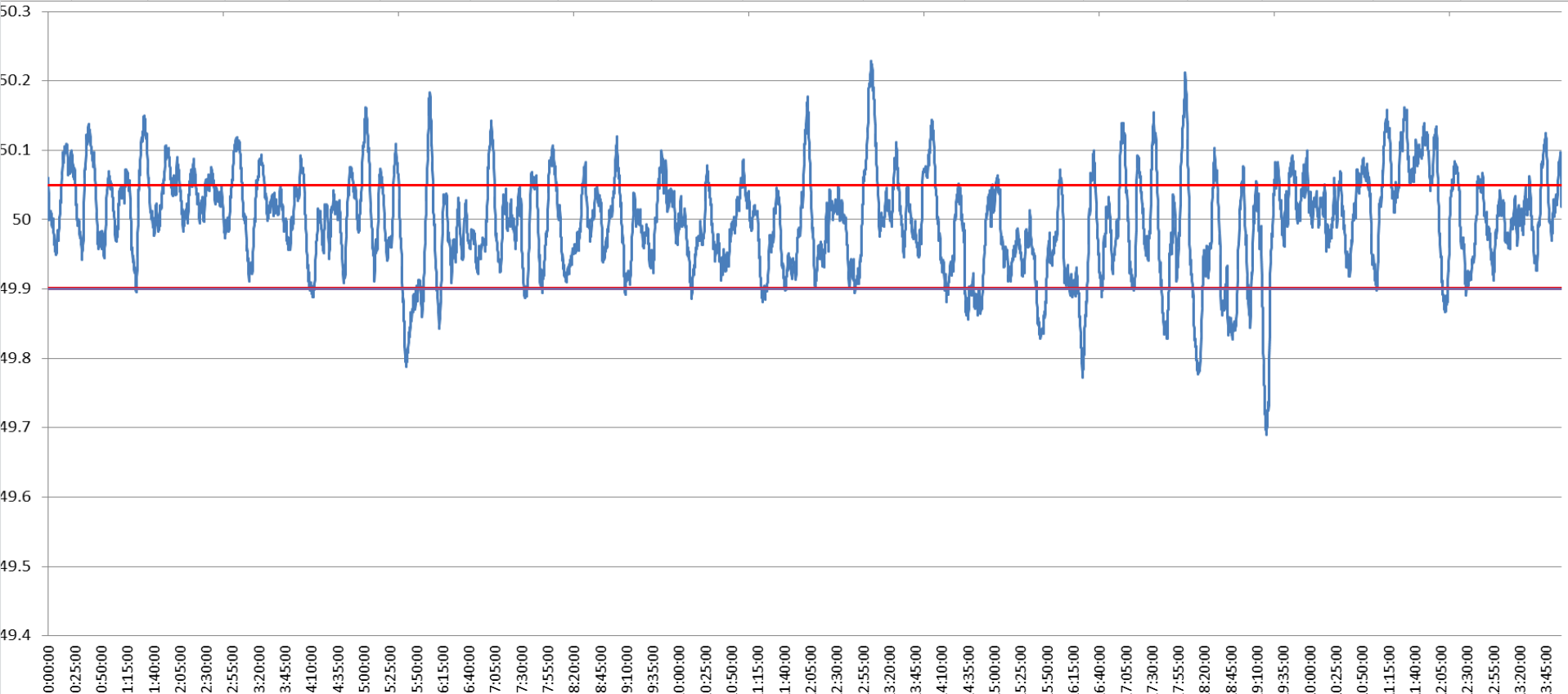
POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

05-Dec-15



| 0:00:00 | 0:25:00 | 0:50:00 | 1:15:00 | 1:40:00 | 2:05:00 | 2:30:00 | 2:55:00 | 3:20:00 | 3:45:00 | 4:10:00 | 4:35:00 | 5:00:00 | 5:25:00 | 5:50:00 | 6:15:00 | 6:40:00 | 7:05:00 | 7:30:00 | 7:55:00 | 8:20:00 | 8:45:00 | 9:10:00 | 9:35:00 | 10:00:00 | 10:25:00 | 10:50:00 | 11:15:00 | 11:40:00 | 12:05:00 | 12:30:00 | 12:55:00 | 13:20:00 | 13:45:00 | 14:10:00 | 14:35:00 | 15:00:00 | 15:25:00 | 15:50:00 | 16:15:00 | 16:40:00 | 17:05:00 | 17:30:00 | 17:55:00 | 18:20:00 | 18:45:00 | 19:10:00 | 19:35:00 | 20:00:00 | 20:25:00 | 20:50:00 | 21:15:00 | 21:40:00 | 22:05:00 | 22:30:00 | 22:55:00 | 23:20:00 | 23:45:00 |
|---------|---------|---------|---------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <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 | 0.07 | 8.24 | 34.17 | 0.80 | 7.37 | 41.78 | 43.31 | 6.45 | 69.51 | 99.71 | 33.24 | 15.60 | 49.91 | 32.59 | 22.25 | 0.22 | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|--------------|------------------------------------|---|---------------|-----------------|--|--|--------------|
| Average Frequency | | 50.00 | Frequency Variation Index : | | 0.051 | Standard Deviation : | | 0.071 |
| Instantaneous Frequency | | 15 minute average Frequency | | | | No. of excursion above 50.03 Hz | | 126 |
| Max | 50.23 | 13:02:50 | Max | 50.103 | 13:15:00 | No. of excursion below 49.97 Hz | | 133 |
| Min | 49.69 | 19:19:10 | Min | 49.872 | 16:30:00 | No. of excursion above 50.00 Hz | | 151 |
| Average time freq remains below 49.97 per excursion | | 0:03:42 | Average time frequency remains above 50.03 per excursion | | 0:03:43 | No. of excursion below 50.00 Hz | | 147 |