



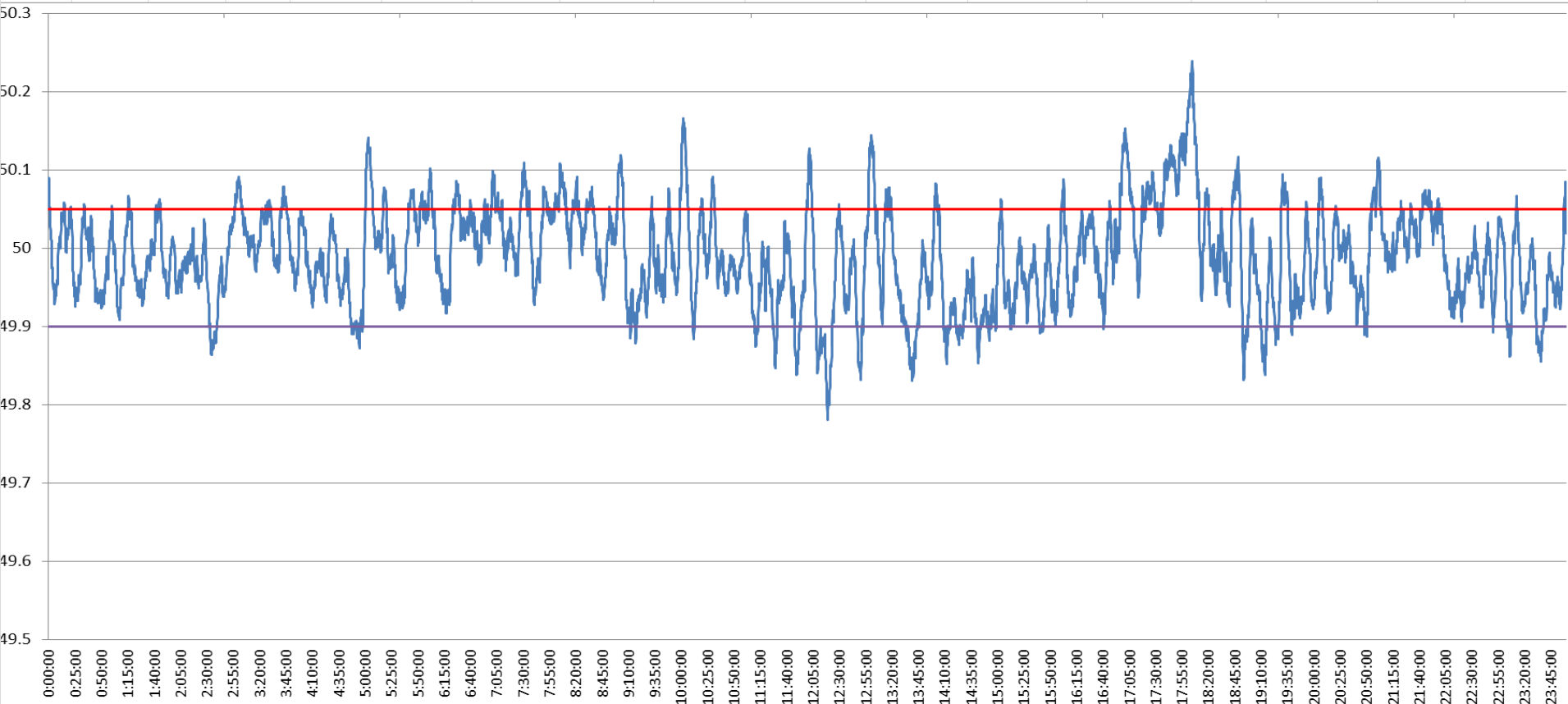
POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

03-Jun-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 | 0.00 | 7.50 | 39.34 | 0.06 | 7.44 | 49.04 | 39.71 | 3.56 | 75.30 | 99.81 | 32.87 | 13.52 | 43.38 | 27.79 | 17.20 | 0.19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------------------------|-------|------------------------------------|-------|-----------------------------|-------|
| Average Frequency | 49.99 | Frequency Variation Index : | 0.040 | Standard Deviation : | 0.062 |
|--------------------------|-------|------------------------------------|-------|-----------------------------|-------|

| | | | | | |
|--------------------------------|----------------|------------------------------------|-----------------|--|-----|
| Instantaneous Frequency | | 15 minute average Frequency | | No. of excursion above 50.03 Hz | 127 |
| Max | 50.24 18:04:30 | Max | 50.116 18:15:00 | No. of excursion below 49.97 Hz | 133 |
| Min | 49.78 12:19:00 | Min | 49.881 13:45:00 | No. of excursion above 50.00 Hz | 113 |
| | | | | No. of excursion below 50.00 Hz | 112 |

| | | | |
|--|---------|---|---------|
| Average time freq remains below 49.97 per excursion | 0:04:16 | Average time frequency remains above 50.03 per excursion | 0:03:09 |
|--|---------|---|---------|