

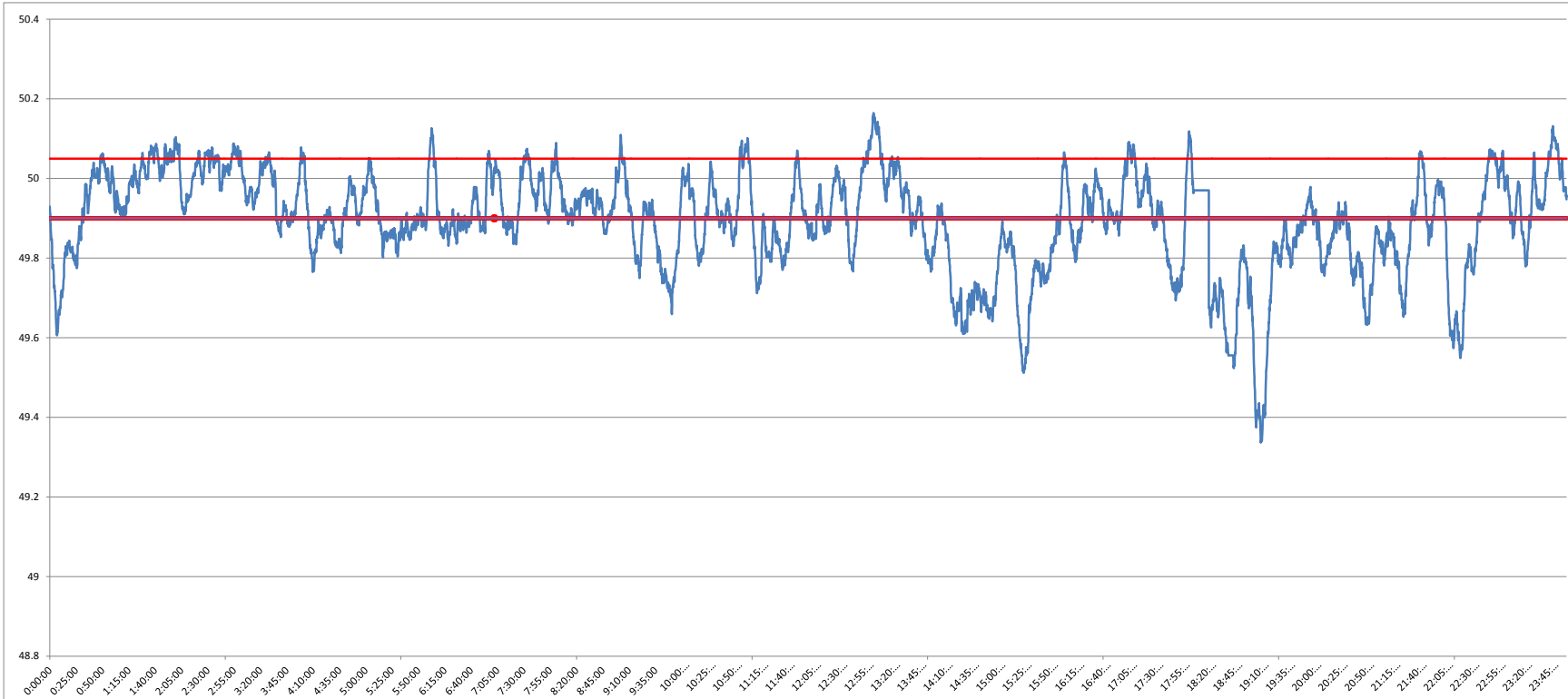


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

09-Sep-14



| <49.2 | <49.7 | 49.7-49.8 | 49.8-49.9 | 49.9-50.0 | 50.0-50.1 | 50.1-50.2 | >50.2 | <49.90 | 49.90-50.05 | >50.05 | 50.05-50.1 | 49.7-50.2 | 49.97-50.03 |
|-------|-------|-----------|-----------|-----------|-----------|-----------|-------|--------|-------------|--------|------------|-----------|-------------|
| 0     | 8.25  | 11.39     | 28.16     | 31.45     | 19.72     | 1.03      | 0.00  | 47.80  | 44.26       | 7.94   | 6.94       | 91.75     | 16.48       |

|                          |  |              |                                    |  |              |                             |  |              |
|--------------------------|--|--------------|------------------------------------|--|--------------|-----------------------------|--|--------------|
| <b>Average Frequency</b> |  | <b>49.89</b> | <b>Frequency Variation Index :</b> |  | <b>0.273</b> | <b>Standard Deviation :</b> |  | <b>0.126</b> |
|--------------------------|--|--------------|------------------------------------|--|--------------|-----------------------------|--|--------------|

| Instantaneous Frequency |               |                 | 15 minute average Frequency |               |                 |
|-------------------------|---------------|-----------------|-----------------------------|---------------|-----------------|
| <b>MAX</b>              | <b>50.164</b> | <b>13:02:00</b> | <b>Max</b>                  | <b>50.072</b> | <b>13:15:00</b> |
| <b>Min</b>              | <b>49.34</b>  | <b>19:09:30</b> | <b>Min</b>                  | <b>49.462</b> | <b>19:15:00</b> |

