

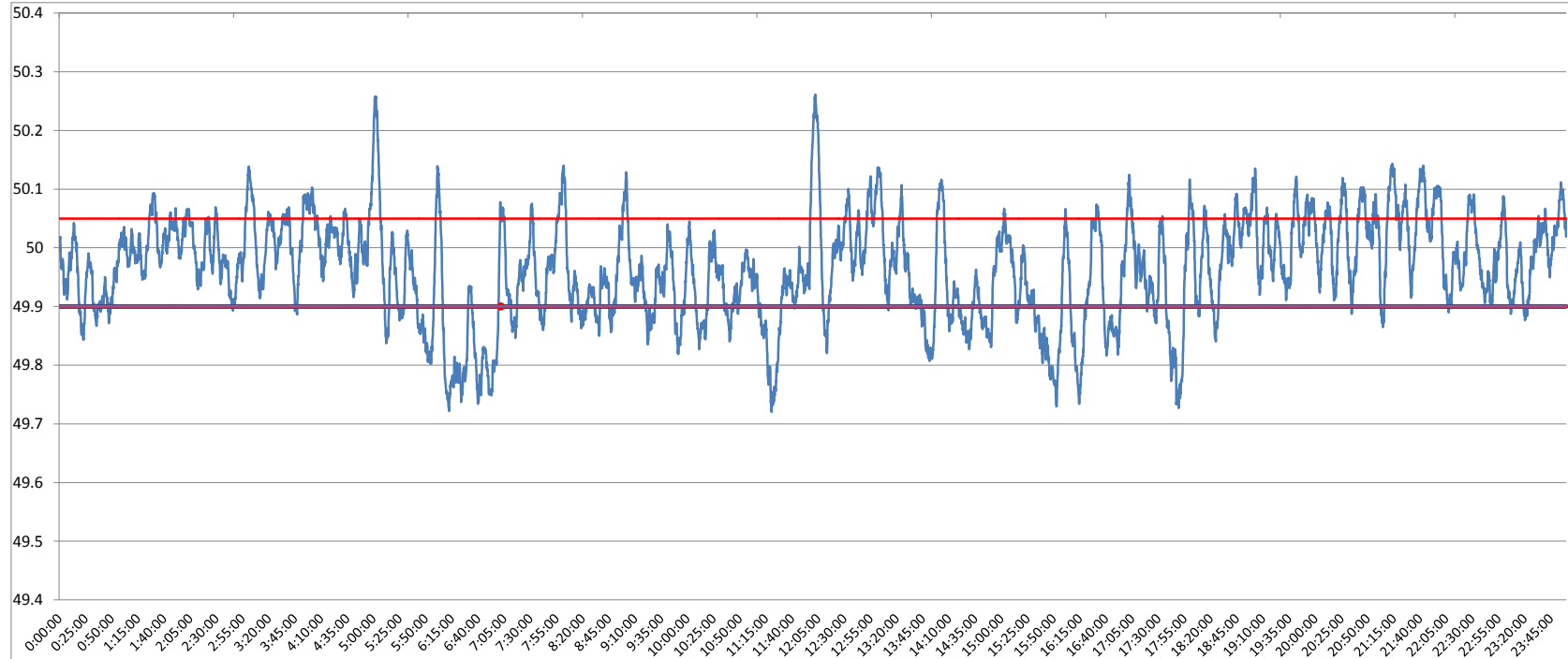


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

20-Nov-15



<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	22.75	51.12	4.50	18.25	41.59	31.64	3.43	60.97	99.41	24.73	12.28	35.60	24.14	16.27	0.59

<b>Average Frequency</b>	<b>49.96</b>	<b>Frequency Variation Index :</b>	<b>0.089</b>	<b>Standard Deviation :</b>	<b>0.087</b>
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Instantaneous Frequency		
Max	50.26	12:02:30
Min	49.72	11:20:30

15 minute average Frequency		
Max	50.066	22:00:00
Min	49.782	6:30:00

No. of excursion above 50.03 Hz	94
No. of excursion below 49.97 Hz	111
No. of excursion above 50.00 Hz	107
No. of excursion below 50.00 Hz	108

Average time freq remains below 49.97 per excursion	0:06:38	Average time frequency remains above 50.03 per excursion	0:03:42
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