

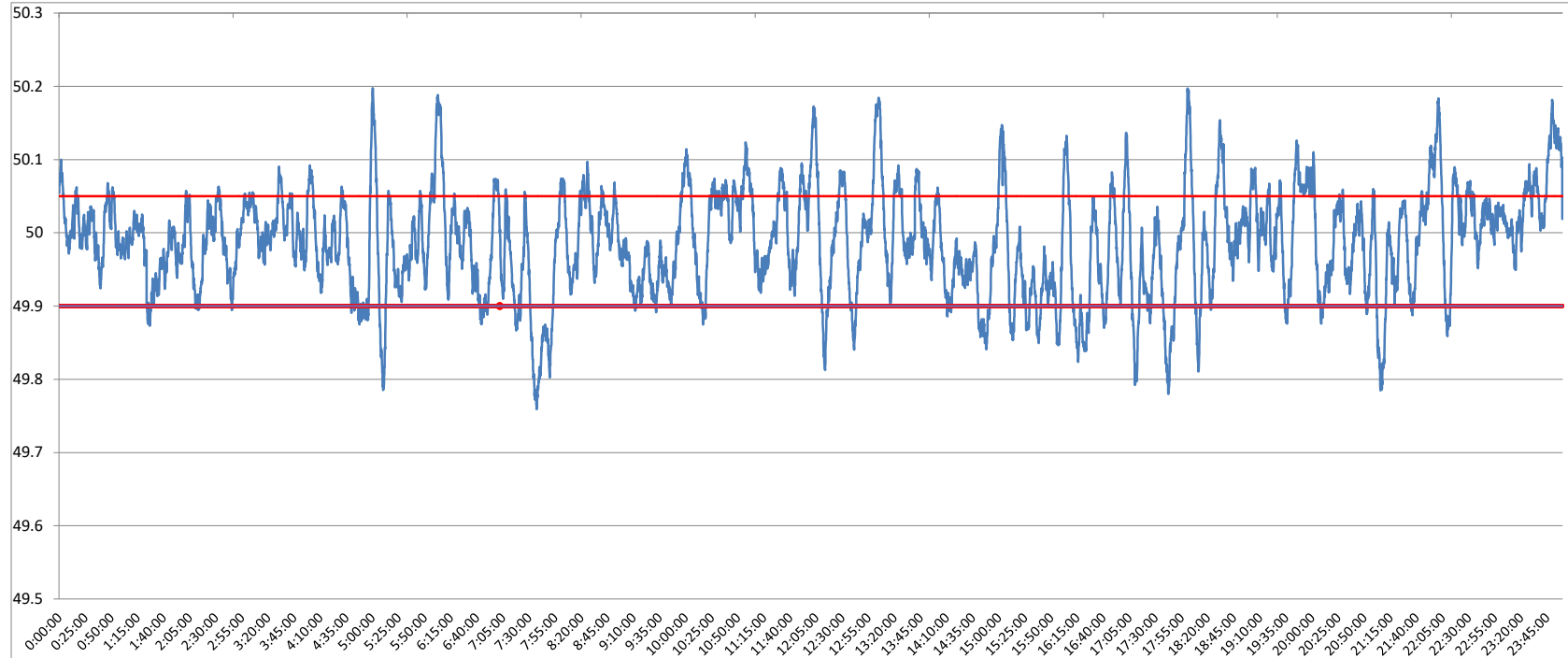


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

15-Dec-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	11.44	39.80	0.69	10.74	44.91	38.63	5.02	70.09	100.00	32.47	13.46	43.60	27.73	18.47	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.053</b>	<b>Standard Deviation :</b>	<b>0.072</b>
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Instantaneous Frequency		
Max	50.2	5:00:20
Min	49.76	7:37:20

15 minute average Frequency		
Max	50.126	0:00:00
Min	49.829	7:45:00

No. of excursion above 50.03 Hz	113
No. of excursion below 49.97 Hz	131
No. of excursion above 50.00 Hz	149
No. of excursion below 50.00 Hz	150

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:23</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:32</b>
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