

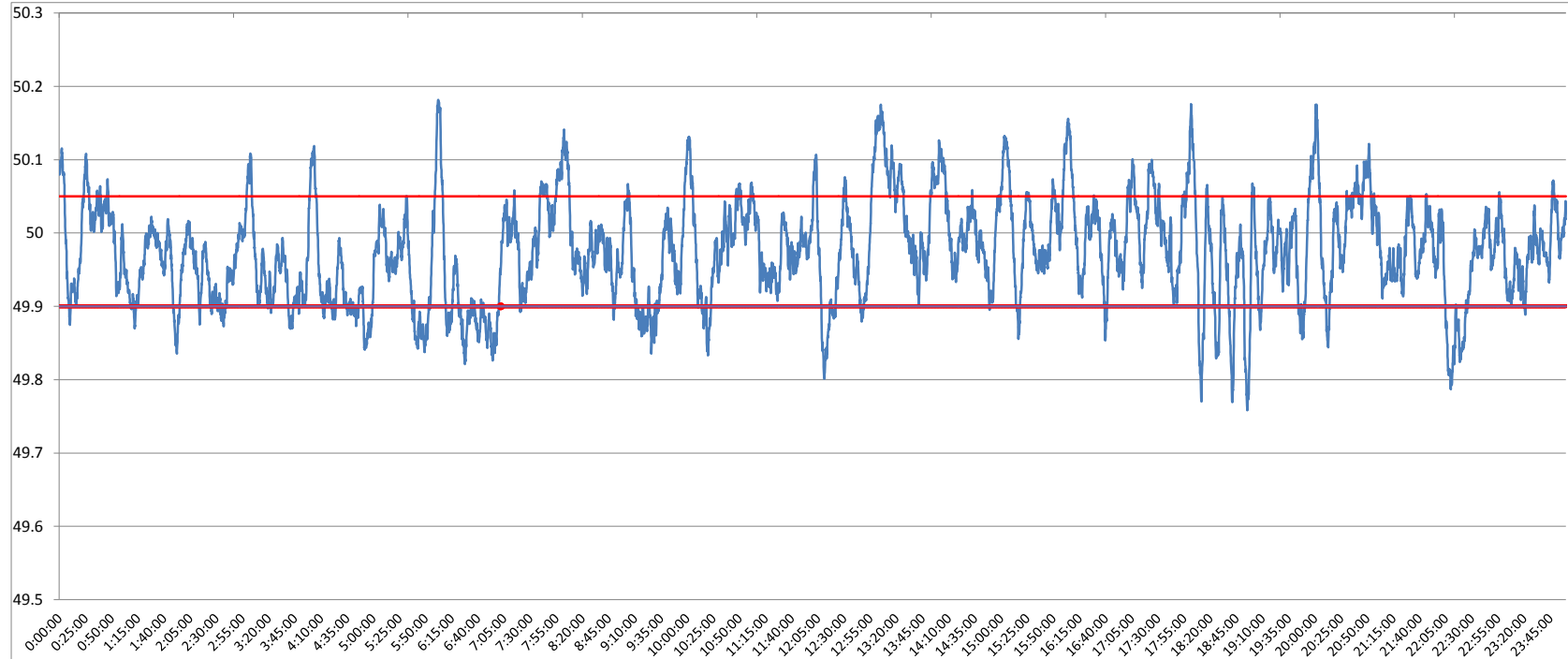


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

18-Sep-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	14.73	47.92	0.44	14.29	50.57	30.73	3.97	71.68	100.00	31.57	9.68	34.62	20.51	13.59	0.00

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.055</b>	<b>Standard Deviation :</b>	<b>0.069</b>
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Instantaneous Frequency		
Max	50.18	6:02:00
Min	49.76	18:55:20

15 minute average Frequency		
Max	50.123	13:15:00
Min	49.865	7:00:00

No. of excursion above 50.03 Hz	98
No. of excursion below 49.97 Hz	151
No. of excursion above 50.00 Hz	116
No. of excursion below 50.00 Hz	117

Average time freq remains below 49.97 per excursion	0:04:34	Average time frequency remains above 50.03 per excursion	0:03:01
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