

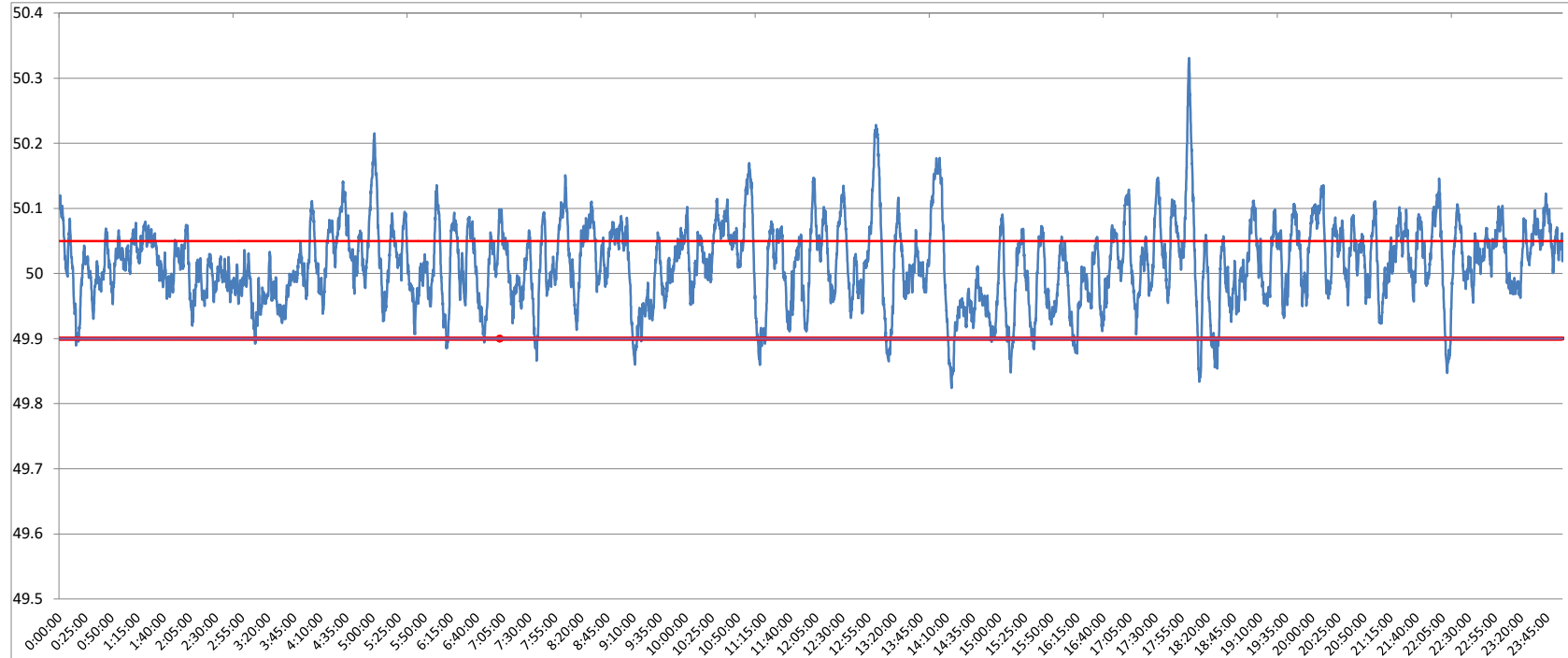


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

14-Feb-17



<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	3.50	23.16	0.00	3.50	37.74	52.25	5.91	68.39	99.40	36.25	21.70	58.72	40.59	28.11	0.60

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.040</b>	<b>Standard Deviation :</b>	<b>0.062</b>
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Instantaneous Frequency		
Max	50.33	18:02:10
Min	49.82	14:14:40

15 minute average Frequency		
Max	50.081	20:15:00
Min	49.924	14:30:00

No. of excursion above 50.03 Hz	135
No. of excursion below 49.97 Hz	124
No. of excursion above 50.00 Hz	158
No. of excursion below 50.00 Hz	155

Average time freq remains below 49.97 per excursion	0:02:41	Average time frequency remains above 50.03 per excursion	0:04:20
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