

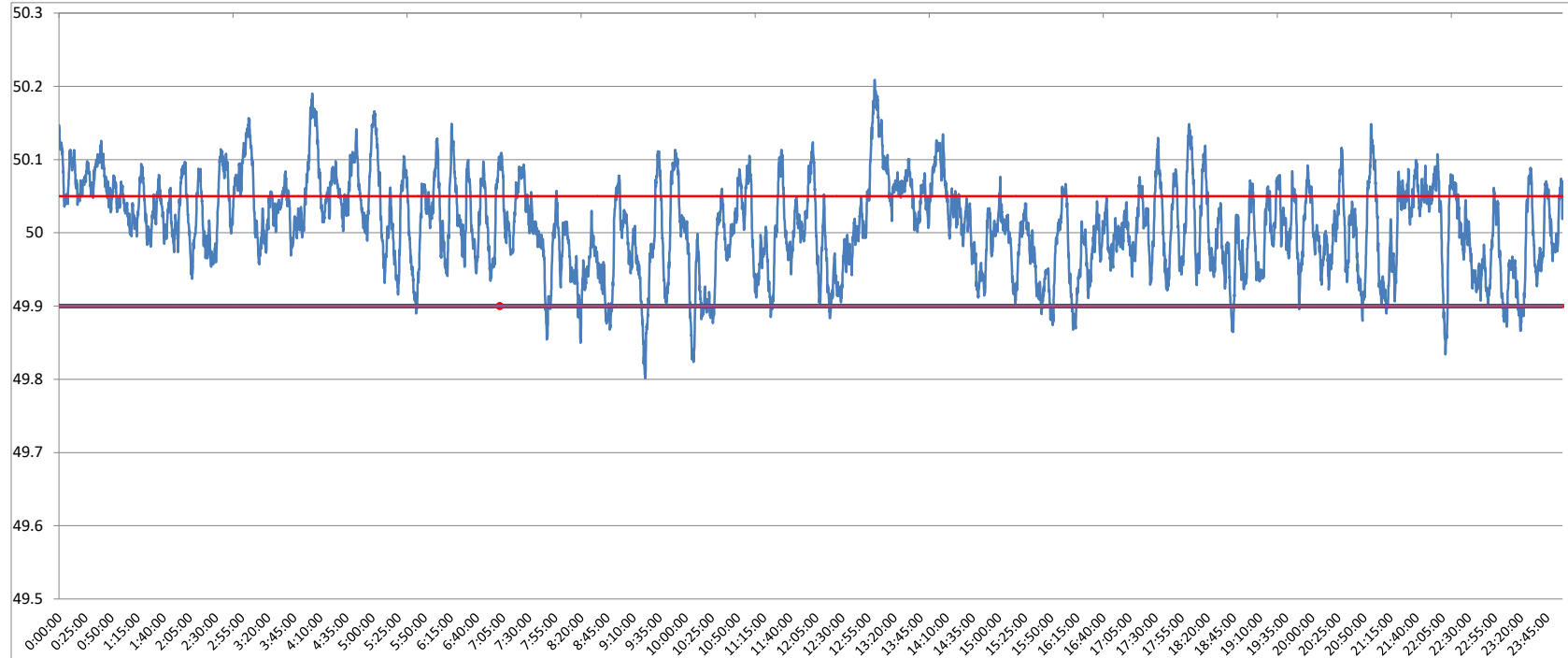


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

11-Mar-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	4.33	26.55	0.00	4.33	37.92	51.34	6.38	67.22	99.97	34.46	22.13	57.70	38.99	28.45	0.03

<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	50.21	13:01:10
Min	49.80	9:21:20

15 minute average Frequency		
Max	50.132	13:15:00
Min	49.907	10:30:00

No. of excursion above 50.03 Hz	132
No. of excursion below 49.97 Hz	118
No. of excursion above 50.00 Hz	160
No. of excursion below 50.00 Hz	157

Average time freq remains below 49.97 per excursion	0:03:14	Average time frequency remains above 50.03 per excursion	0:04:15
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