

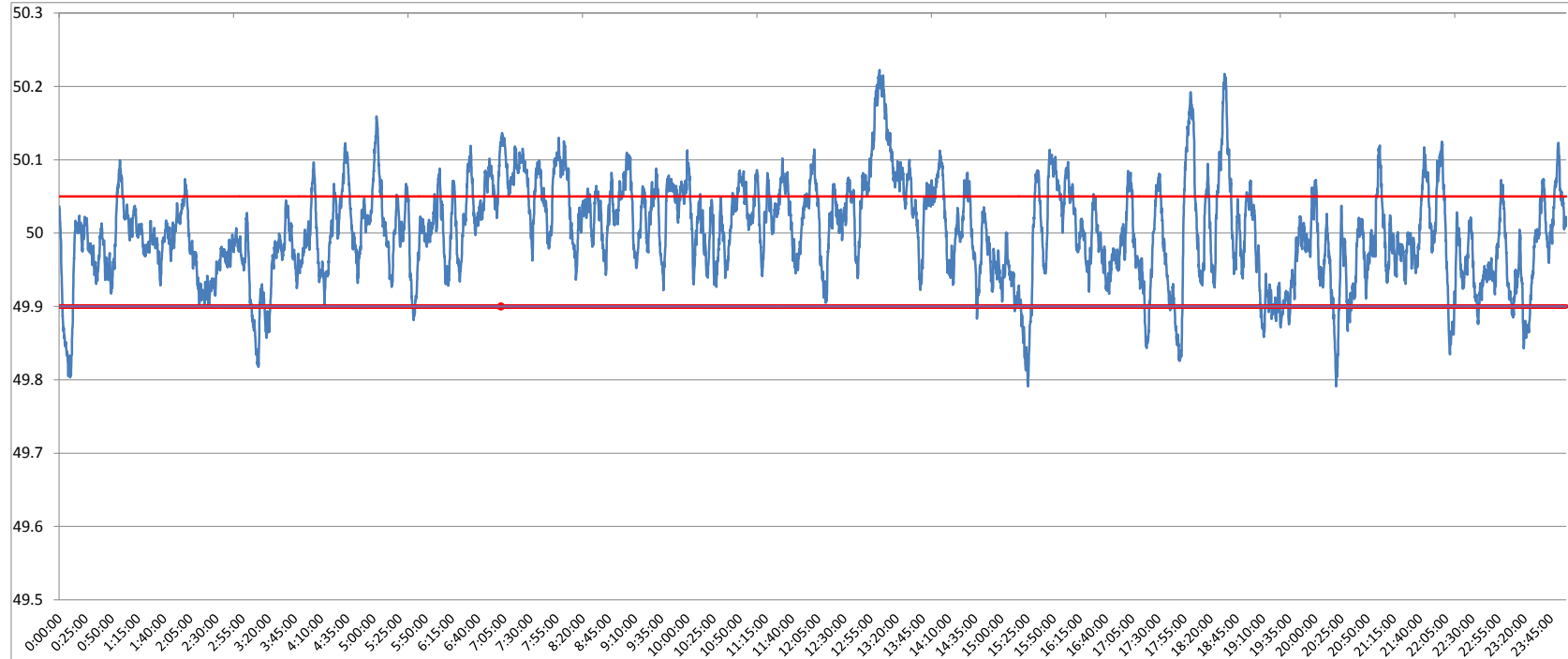


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

21-Apr-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	6.22	31.42	0.06	6.16	42.78	45.72	4.86	69.61	99.57	34.55	18.92	50.94	34.03	24.18	0.43

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.044</b>	<b>Standard Deviation :</b>	<b>0.066</b>
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Instantaneous Frequency	
Max	50.22 13:03:40
Min	49.79 15:25:30

15 minute average Frequency		
Max	50.173	13:15:00
Min	49.870	15:30:00

No. of excursion above 50.03 Hz	115
No. of excursion below 49.97 Hz	121
No. of excursion above 50.00 Hz	138
No. of excursion below 50.00 Hz	138

Average time freq remains below 49.97 per excursion	0:03:44	Average time frequency remains above 50.03 per excursion	0:04:16
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