

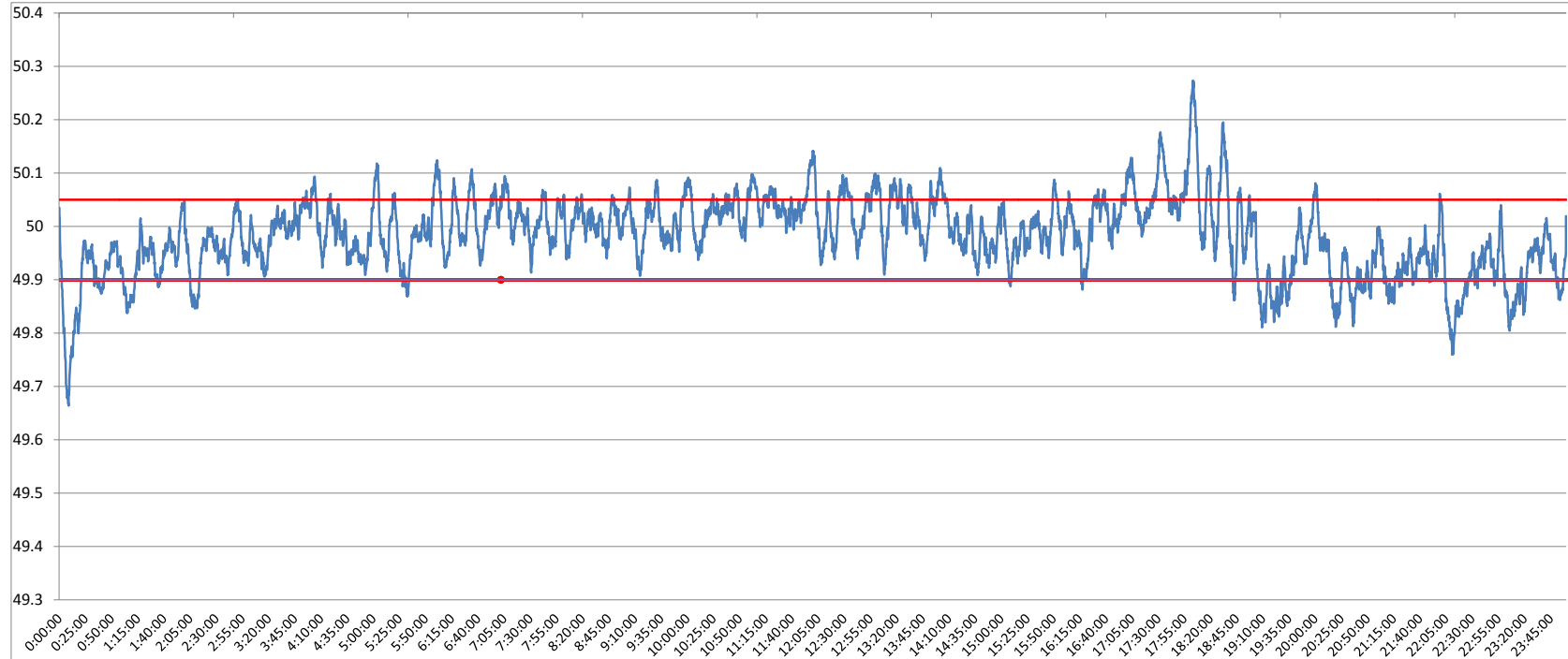


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

24-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	0.20	12.14	41.01	0.68	11.26	45.78	39.13	2.60	72.29	99.46	33.50	12.67	41.99	25.50	15.57	0.35

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.053</b>	<b>Standard Deviation :</b>	<b>0.071</b>
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Instantaneous Frequency		
Max	50.27	18:03:10
Min	49.66	0:08:50

15 minute average Frequency		
Max	50.113	18:15:00
Min	49.793	0:15:00

No. of excursion above 50.03 Hz	130
No. of excursion below 49.97 Hz	134
No. of excursion above 50.00 Hz	121
No. of excursion below 50.00 Hz	122

Average time freq remains below 49.97 per excursion	0:04:24	Average time frequency remains above 50.03 per excursion	0:02:49
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