

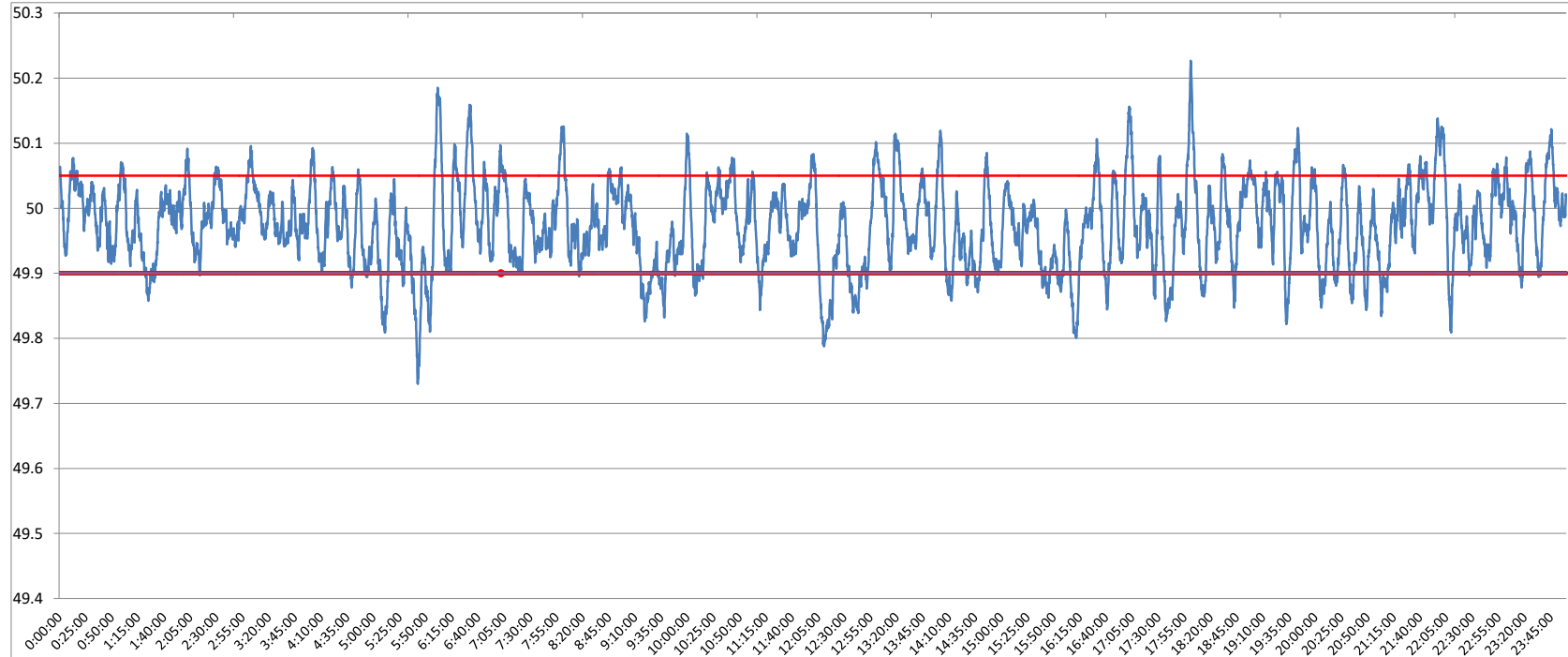


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

03-Jan-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	12.87	46.99	0.37	12.50	51.52	33.02	2.52	74.98	99.93	33.22	9.61	35.52	19.79	12.15	0.07

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.050</b>	<b>Standard Deviation :</b>	<b>0.066</b>
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Instantaneous Frequency		
Max	50.23	18:01:10
Min	49.73	5:42:30

15 minute average Frequency		
Max	50.049	22:00:00
Min	49.878	9:30:00

No. of excursion above 50.03 Hz	109
No. of excursion below 49.97 Hz	139
No. of excursion above 50.00 Hz	150
No. of excursion below 50.00 Hz	147

Average time freq remains below 49.97 per excursion	0:04:52	Average time frequency remains above 50.03 per excursion	0:02:37
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