

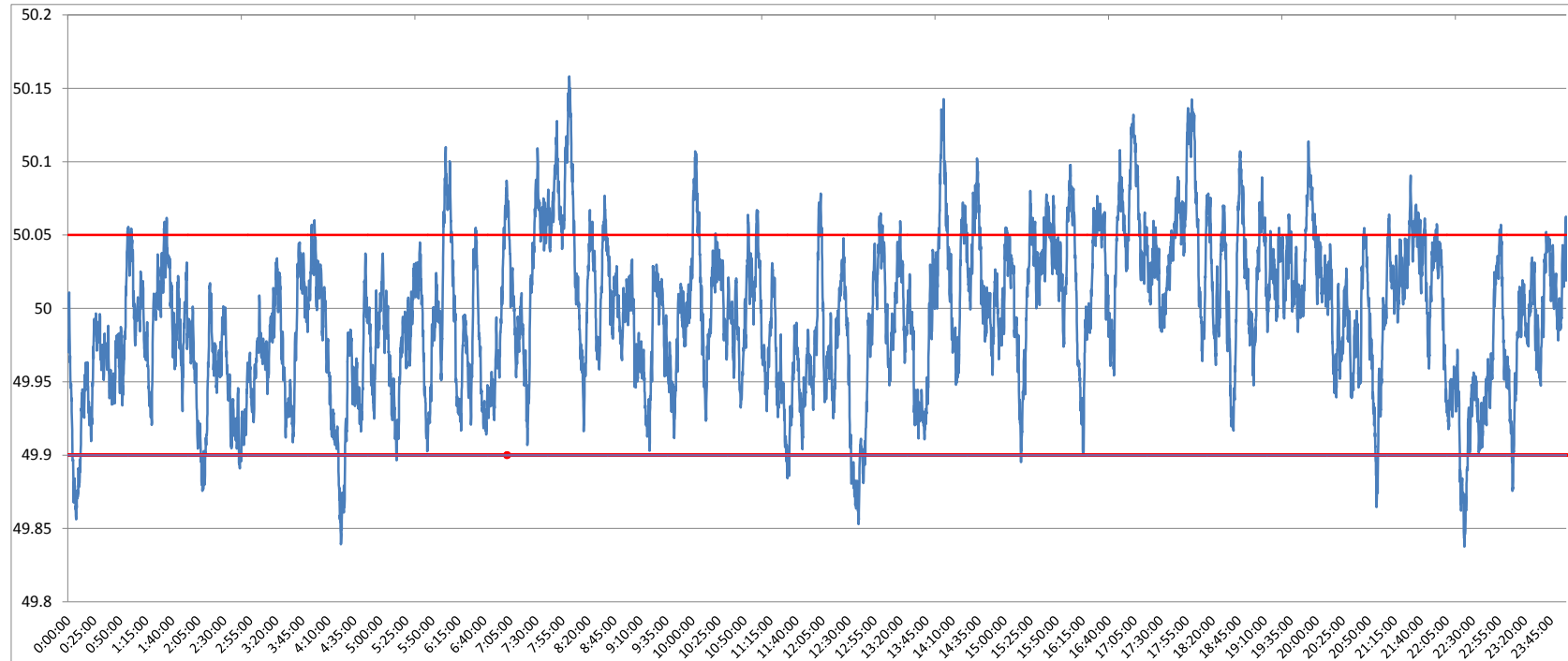


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

30-Sep-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	3.10	31.50	0.00	3.10	49.54	45.43	1.93	82.57	100.00	43.23	12.44	47.29	25.27	14.33	0.00

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.027</b>	<b>Standard Deviation :</b>	<b>0.051</b>
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Instantaneous Frequency	
Max	50.16 8:01:50
Min	49.84 22:22:00

15 minute average Frequency		
Max	50.083	18:00:00
Min	49.892	12:45:00

No. of excursion above 50.03 Hz	161
No. of excursion below 49.97 Hz	148
No. of excursion above 50.00 Hz	174
No. of excursion below 50.00 Hz	173

Average time freq remains below 49.97 per excursion	0:03:04	Average time frequency remains above 50.03 per excursion	0:02:16
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