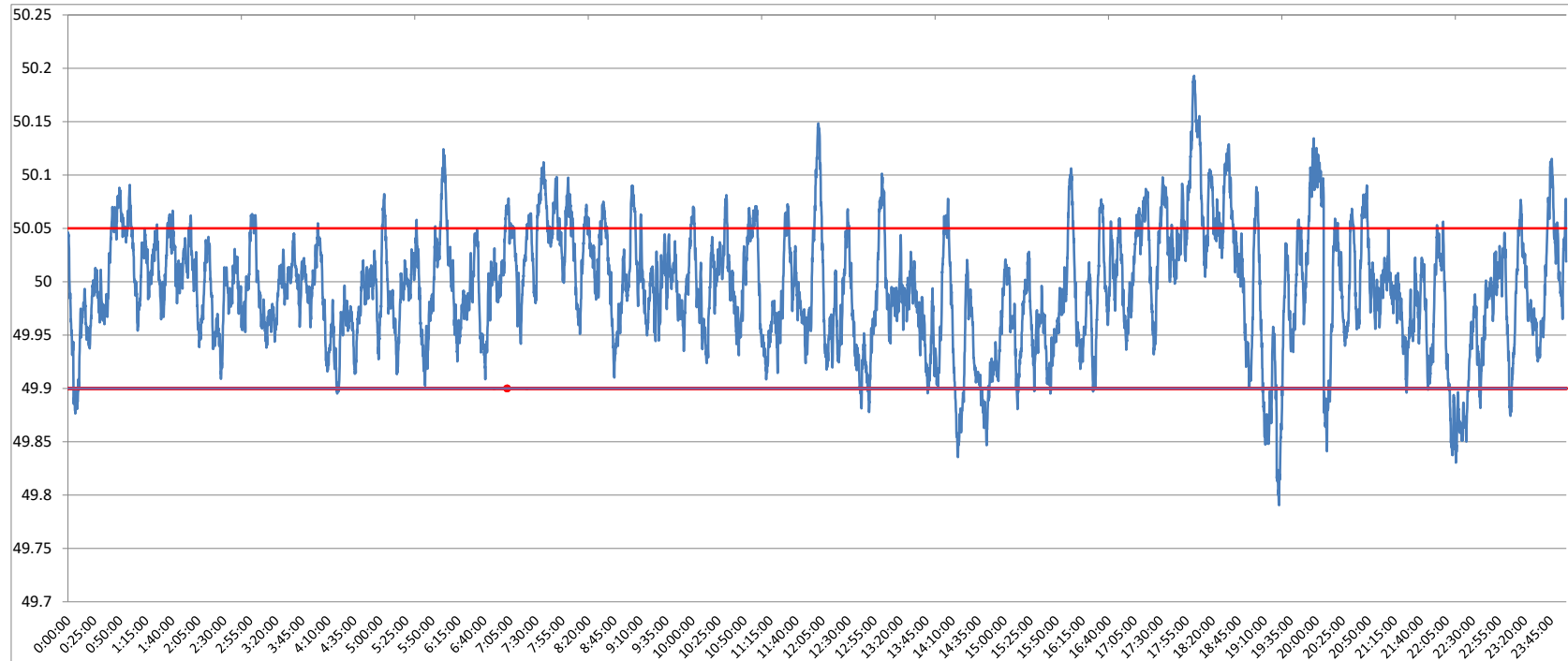




**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for 20-May-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	4.95	32.78	0.03	4.92	49.83	42.79	2.43	79.61	100.00	42.07	13.10	45.10	25.15	15.44	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.031</b>	<b>Standard Deviation :</b>	<b>0.055</b>
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Instantaneous Frequency	
Max	50.19 18:02:10
Min	49.79 19:23:50

15 minute average Frequency		
Max	50.108	18:15:00
Min	49.890	22:30:00

No. of excursion above 50.03 Hz	115
No. of excursion below 49.97 Hz	152
No. of excursion above 50.00 Hz	172
No. of excursion below 50.00 Hz	171

Average time freq remains below 49.97 per excursion	0:03:06	Average time frequency remains above 50.03 per excursion	0:03:09
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