

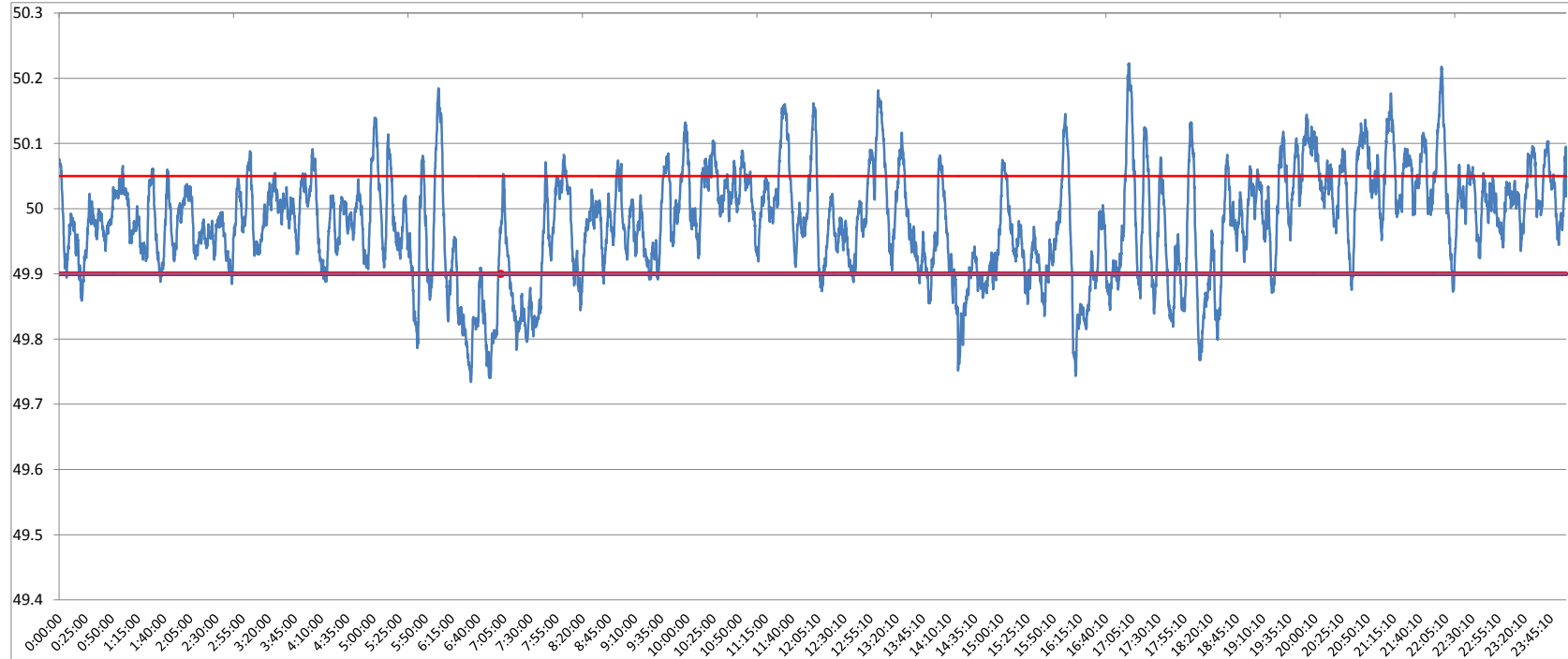


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

02-Dec-15



<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	16.15	42.89	1.75	14.40	42.15	35.72	5.79	65.24	99.80	30.41	12.65	41.68	26.70	18.61	0.20

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.070</b>	<b>Standard Deviation :</b>	<b>0.081</b>
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Instantaneous Frequency		
Max	50.22	17:02:20
Min	49.73	6:33:20

15 minute average Frequency		
Max	50.093	20:00:00
Min	49.802	7:00:00

No. of excursion above 50.03 Hz	111
No. of excursion below 49.97 Hz	115
No. of excursion above 50.00 Hz	127
No. of excursion below 50.00 Hz	128

Average time freq remains below 49.97 per excursion	0:05:22	Average time frequency remains above 50.03 per excursion	0:03:28
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