

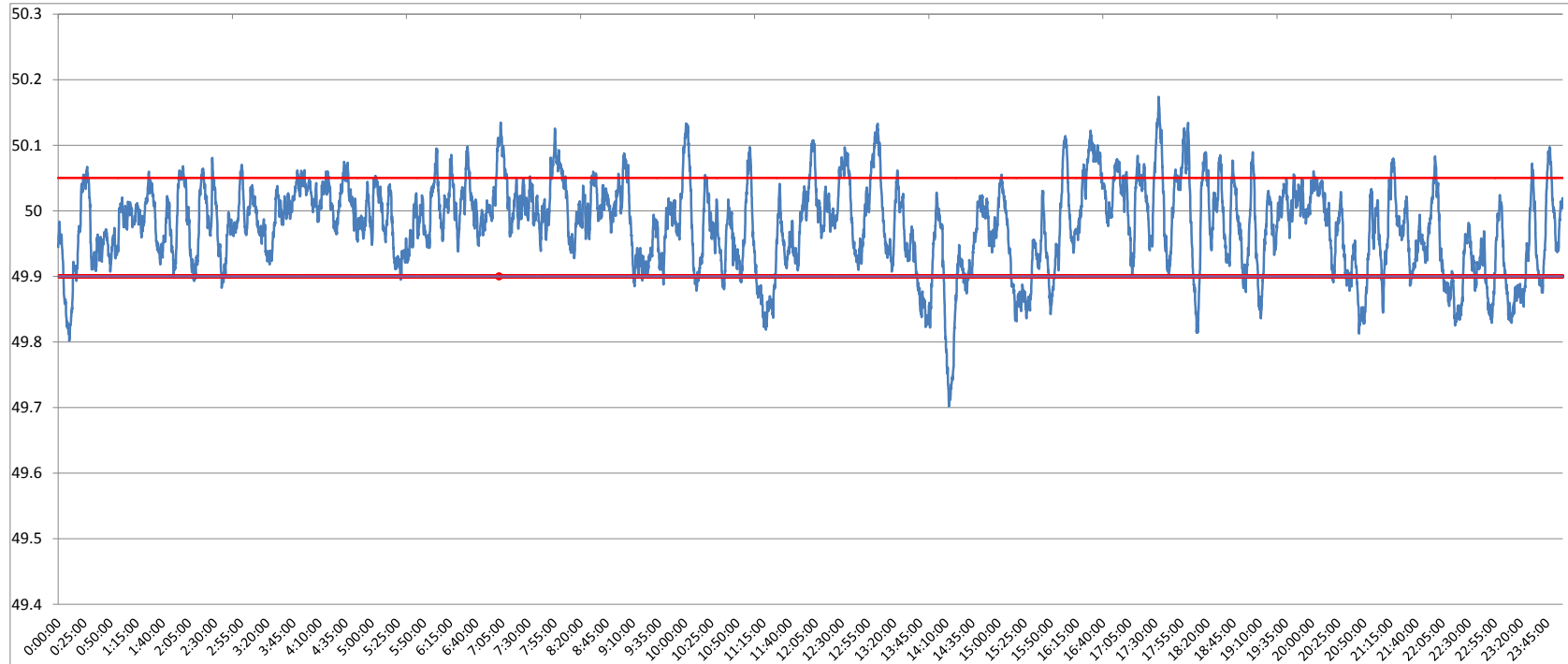


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

08-Apr-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	12.74	42.18	0.53	12.21	47.37	37.86	2.03	74.98	100.00	36.00	10.34	39.85	21.83	12.28	0.00

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.049</b>	<b>Standard Deviation :</b>	<b>0.066</b>
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Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz		No. of excursion below 49.97 Hz	
Max	50.17 17:33:10	Max	50.056 16:45:00	110		130	
Min	49.70 14:12:30	Min	49.860 15:30:00	No. of excursion above 50.00 Hz		164	
				No. of excursion below 50.00 Hz		165	

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:40</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:51</b>
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