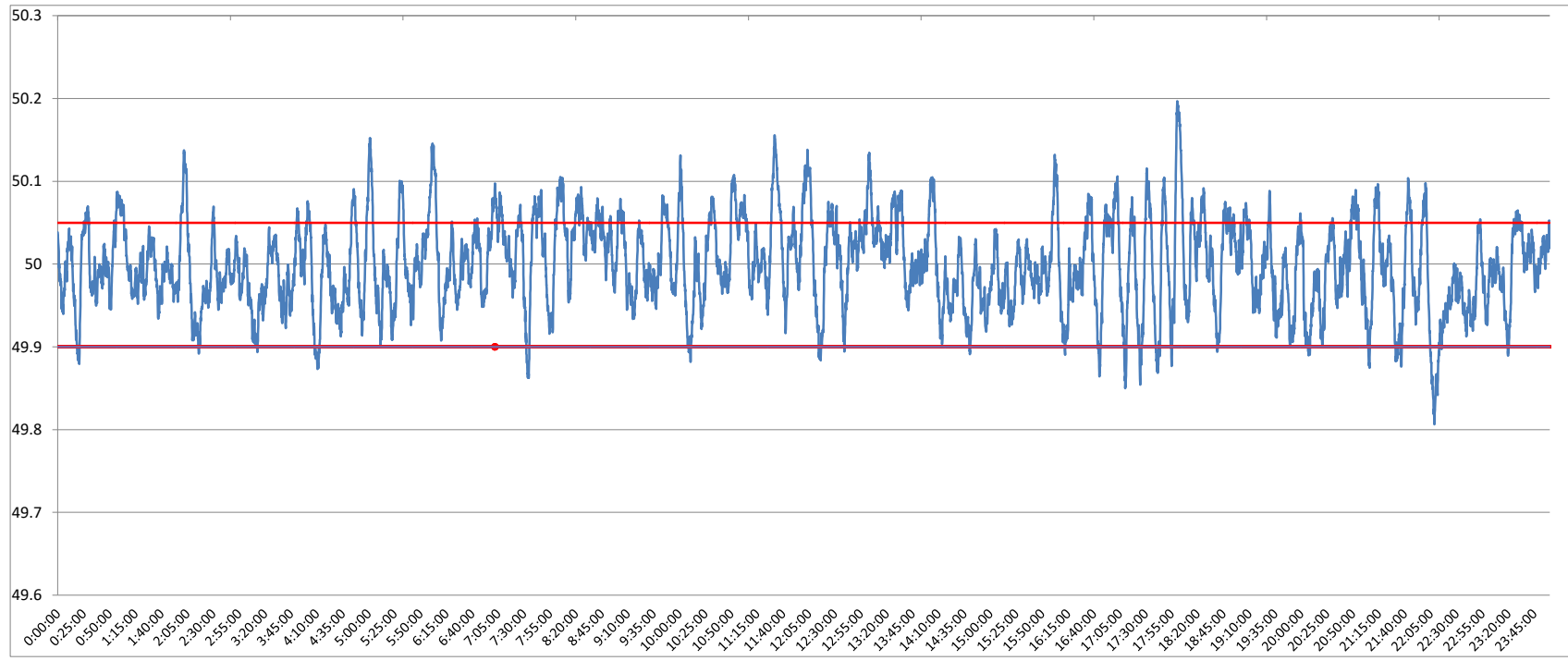




**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency National Grid Frequency Profile for 01-Nov-16



<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	3.16	30.53	0.00	3.16	49.21	44.93	2.70	79.05	100.00	40.71	15.16	47.58	28.76	17.79	0.00

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.029</b>	<b>Standard Deviation :</b>	<b>0.054</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.2</b>	<b>18:00:30</b>
<b>Min</b>	<b>49.81</b>	<b>22:08:40</b>

<b>15 minute average Frequency</b>			
<b>Max</b>	<b>50.060</b>	<b>13:15:00</b>	
<b>Min</b>	<b>49.907</b>	<b>22:15:00</b>	

<b>No. of excursion above 50.03 Hz</b>	<b>155</b>
<b>No. of excursion below 49.97 Hz</b>	<b>179</b>
<b>No. of excursion above 50.00 Hz</b>	<b>181</b>
<b>No. of excursion below 50.00 Hz</b>	<b>180</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:02:27</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:40</b>
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