

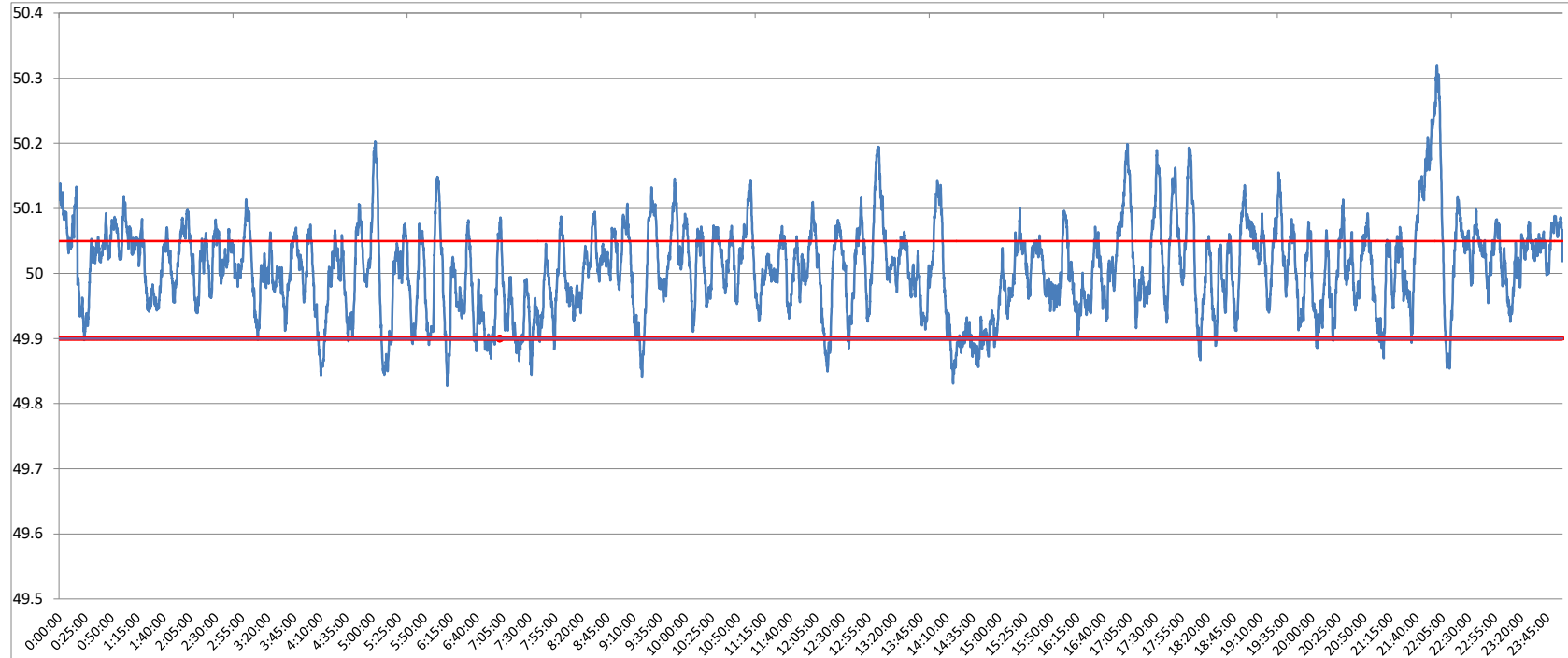


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

19-Jan-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	6.35	29.71	0.00	6.35	38.60	48.00	6.33	67.31	99.28	31.39	19.38	55.02	38.90	26.33	0.72

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.048</b>	<b>Standard Deviation :</b>	<b>0.069</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.32</b>	<b>21:59:40</b>
<b>Min</b>	<b>49.83</b>	<b>6:11:40</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.199</b>	<b>22:00:00</b>
<b>Min</b>	<b>49.887</b>	<b>14:30:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>149</b>
<b>No. of excursion below 49.97 Hz</b>	<b>125</b>
<b>No. of excursion above 50.00 Hz</b>	<b>147</b>
<b>No. of excursion below 50.00 Hz</b>	<b>147</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:03:25</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:46</b>
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