

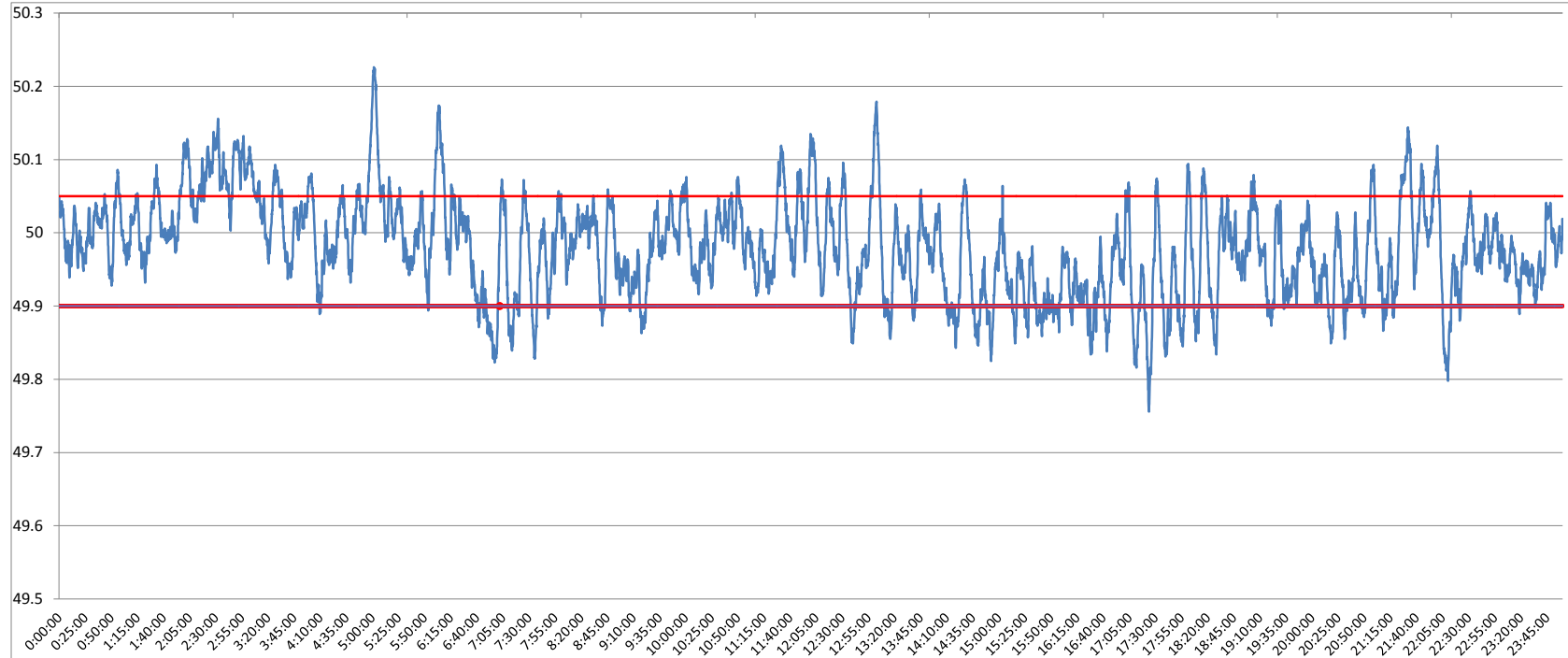


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

VIJAYAWADA:Frequency

National Grid Frequency Profile for

13-Dec-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	12.82	43.55	0.15	12.67	48.40	34.72	3.84	72.58	99.79	33.84	11.02	37.89	22.60	14.59	0.21

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.049</b>	<b>Standard Deviation :</b>	<b>0.067</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.23 5:01:30</b>
<b>Min</b>	<b>49.76 17:23:40</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.099</b>	<b>3:00:00</b>
<b>Min</b>	<b>49.872</b>	<b>7:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>91</b>
<b>No. of excursion below 49.97 Hz</b>	<b>125</b>
<b>No. of excursion above 50.00 Hz</b>	<b>106</b>
<b>No. of excursion below 50.00 Hz</b>	<b>107</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:05:01</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:35</b>
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