

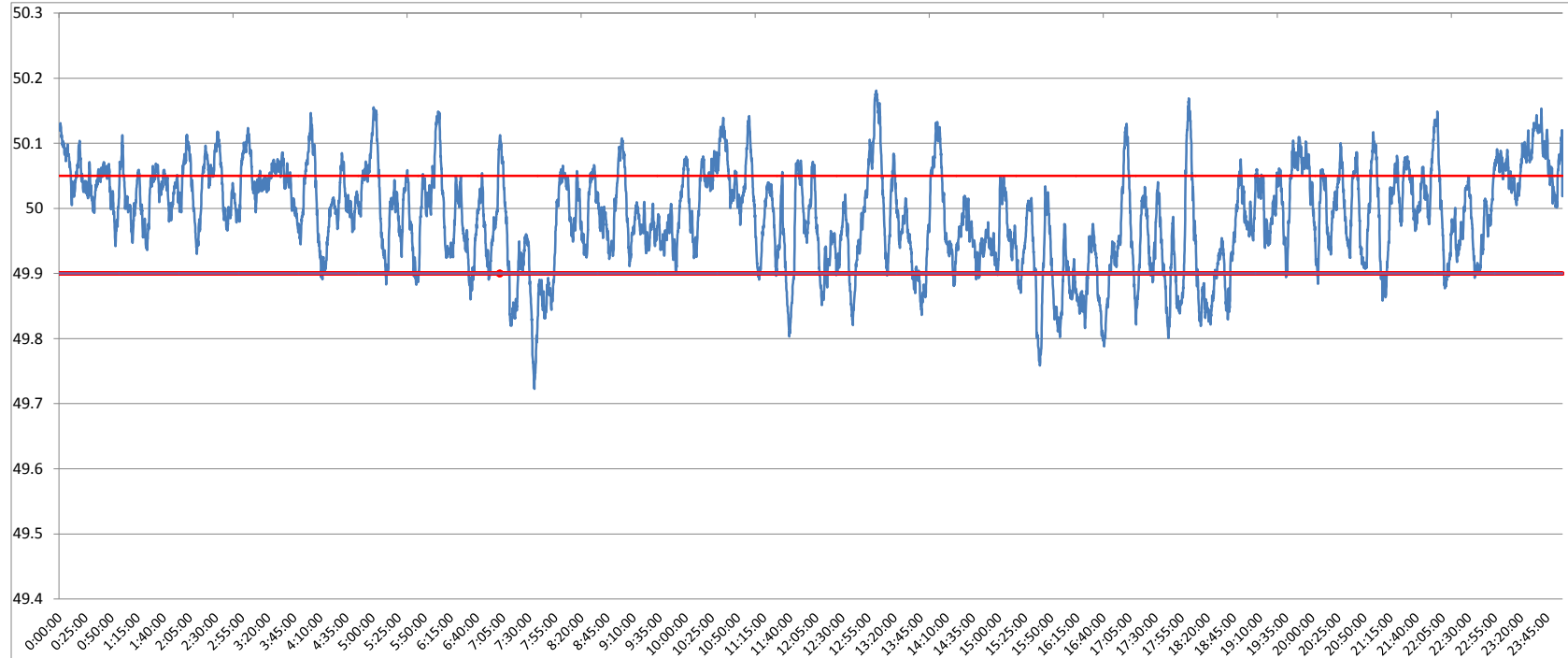


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

06-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	12.88	38.97	0.63	12.26	39.02	42.57	5.53	64.13	100.00	27.67	17.57	48.04	33.36	22.99	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.058</b>	<b>Standard Deviation :</b>	<b>0.075</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.18 13:02:30</b>
<b>Min</b>	<b>49.72 7:35:10</b>

<b>15 minute average Frequency</b>	
<b>Max</b>	<b>50.112 23:45:00</b>
<b>Min</b>	<b>49.832 7:45:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>122</b>
<b>No. of excursion below 49.97 Hz</b>	<b>112</b>
<b>No. of excursion above 50.00 Hz</b>	<b>120</b>
<b>No. of excursion below 50.00 Hz</b>	<b>120</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>0:03:56</b>
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