

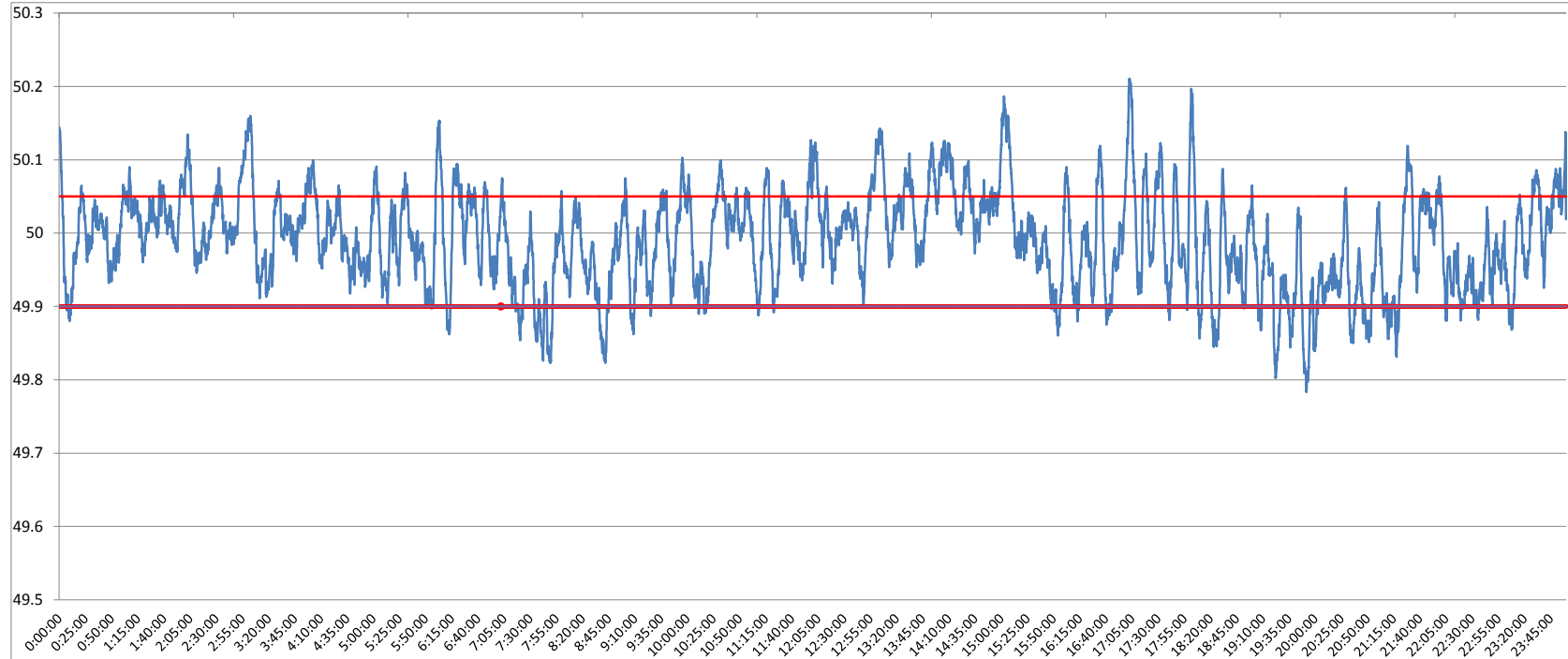


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

17-Jan-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	8.90	38.61	0.10	8.80	45.32	41.24	4.42	72.47	99.88	32.75	14.14	45.72	28.63	18.63	0.12

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.045</b>	<b>Standard Deviation :</b>	<b>0.067</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.21</b>	<b>17:02:50</b>
<b>Min</b>	<b>49.78</b>	<b>19:51:40</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.099</b>	<b>15:15:00</b>
<b>Min</b>	<b>49.873</b>	<b>20:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>131</b>
<b>No. of excursion below 49.97 Hz</b>	<b>129</b>
<b>No. of excursion above 50.00 Hz</b>	<b>134</b>
<b>No. of excursion below 50.00 Hz</b>	<b>135</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:19</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:09</b>
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