

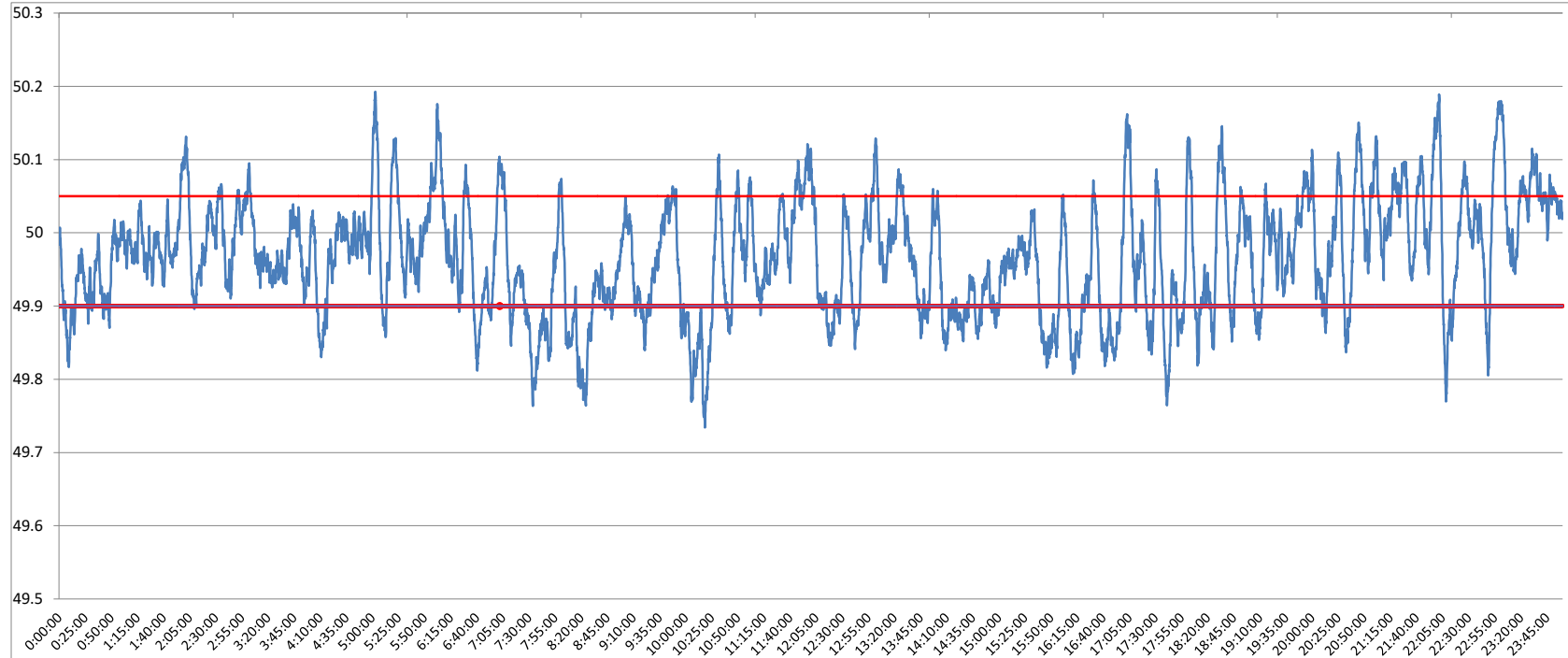


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for

30-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	22.59	52.37	1.40	21.19	43.37	29.72	4.32	61.92	100.00	25.54	11.20	34.02	22.08	15.49	0.00

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.074</b>	<b>Standard Deviation :</b>	<b>0.079</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.19 5:02:50</b>
<b>Min</b>	<b>49.73 10:18:30</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.074</b>	<b>12:00:00</b>
<b>Min</b>	<b>49.820</b>	<b>8:30:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>82</b>
<b>No. of excursion below 49.97 Hz</b>	<b>128</b>
<b>No. of excursion above 50.00 Hz</b>	<b>118</b>
<b>No. of excursion below 50.00 Hz</b>	<b>119</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:05:54</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:53</b>
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