

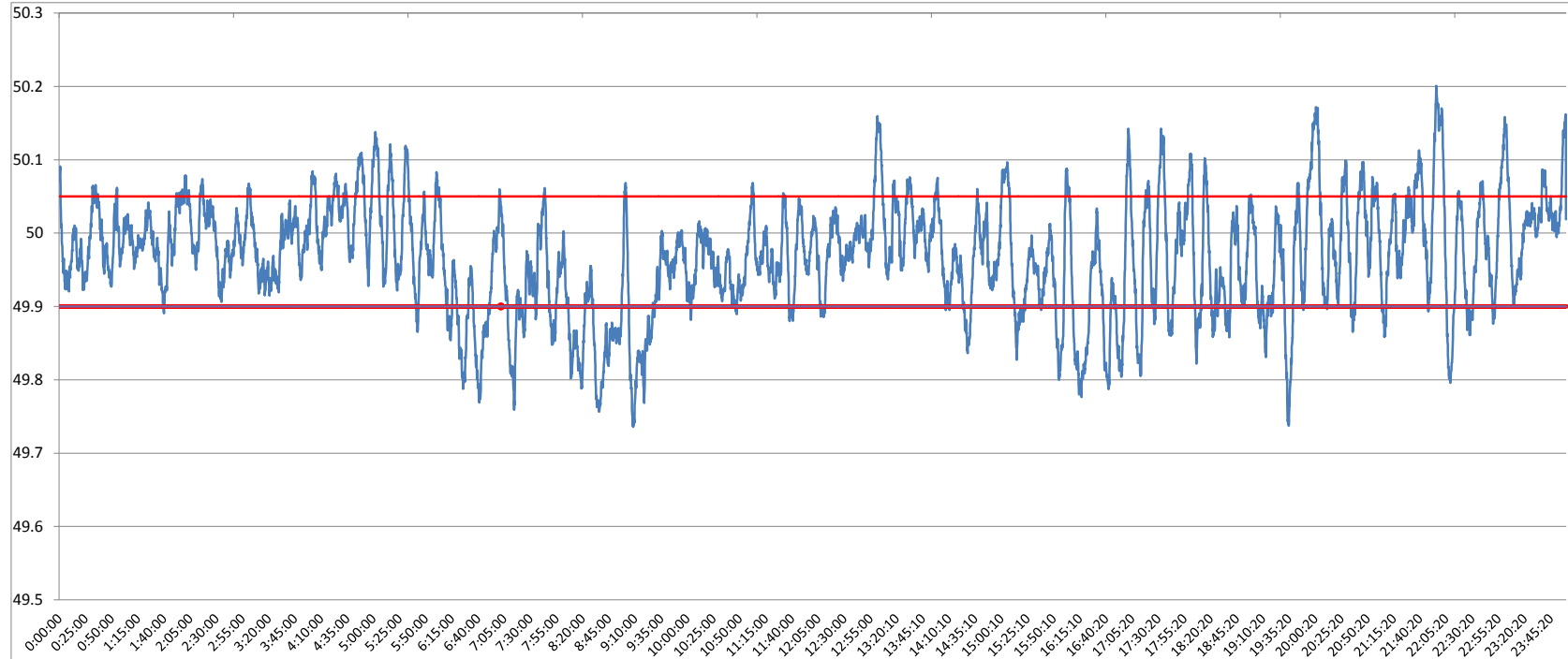


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

09-Dec-15



<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	18.11	49.00	2.05	16.06	46.72	31.85	3.30	68.89	99.99	31.28	9.73	35.10	19.71	13.00	0.01

<b>Average Frequency</b>		<b>49.97</b>	<b>Frequency Variation Index :</b>		<b>0.069</b>	<b>Standard Deviation :</b>		<b>0.076</b>
<b>Instantaneous Frequency</b>			<b>15 minute average Frequency</b>			<b>No. of excursion above 50.03 Hz</b>		<b>94</b>
<b>Max</b>	<b>50.2</b>	<b>21:56:00</b>	<b>Max</b>	<b>50.051</b>	<b>21:45:00</b>	<b>No. of excursion below 49.97 Hz</b>		<b>131</b>
<b>Min</b>	<b>49.74</b>	<b>9:08:10</b>	<b>Min</b>	<b>49.811</b>	<b>8:45:00</b>	<b>No. of excursion above 50.00 Hz</b>		<b>129</b>
<b>Average time freq remains below 49.97 per excursion</b>			<b>0:05:23</b>	<b>Average time frequency remains above 50.03 per excursion</b>				<b>0:03:01</b>
<b>No. of excursion below 50.00 Hz</b>						<b>No. of excursion above 50.00 Hz</b>		<b>128</b>