

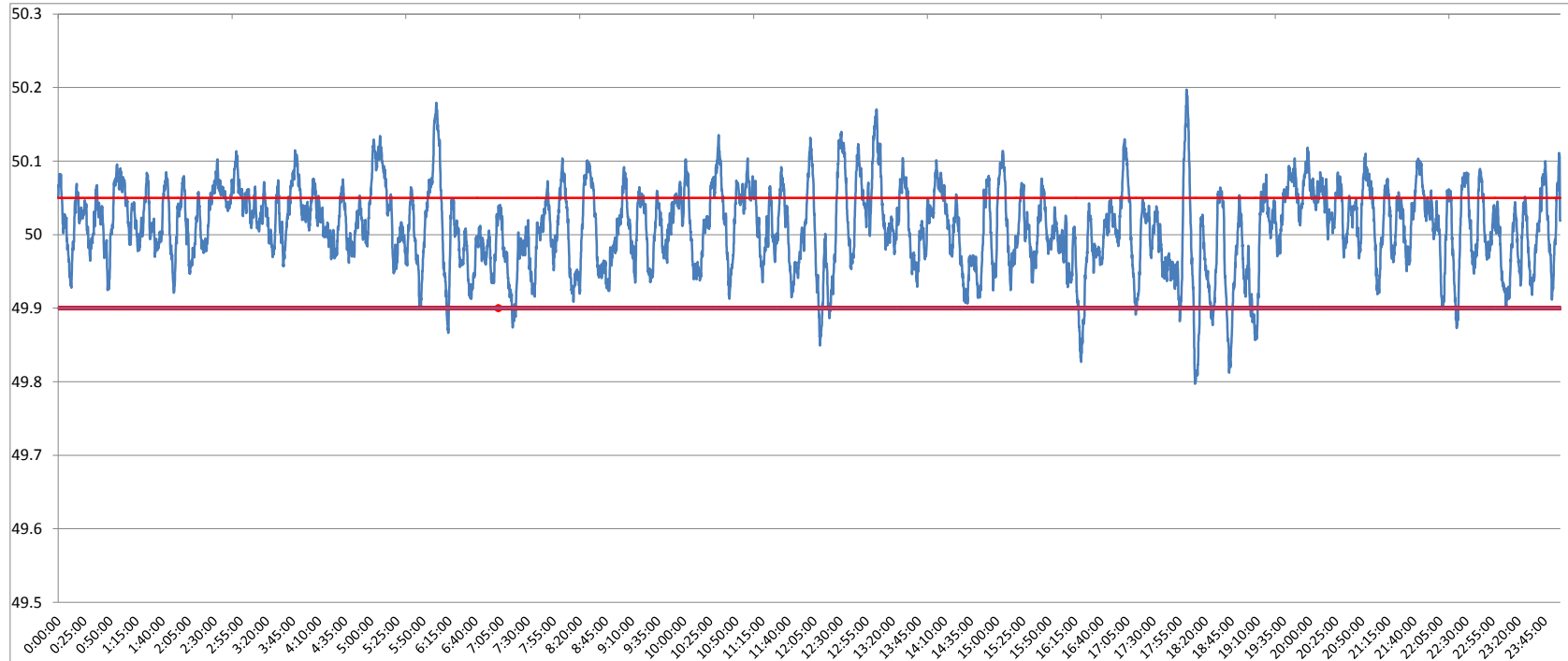


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

12-Sep-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	2.91	23.17	0.03	2.87	38.80	54.43	3.87	72.22	100.00	38.68	21.11	58.22	38.15	24.87	0.00

<b>Average Frequency</b>		<b>50.01</b>	<b>Frequency Variation Index :</b>		<b>0.032</b>	<b>Standard Deviation :</b>		<b>0.056</b>
<b>Instantaneous Frequency</b>			<b>15 minute average Frequency</b>			<b>No. of excursion above 50.03 Hz</b>		<b>148</b>
<b>Max</b>	<b>50.2</b>	<b>18:01:40</b>	<b>Max</b>	<b>50.100</b>	<b>5:15:00</b>	<b>No. of excursion below 49.97 Hz</b>		<b>122</b>
<b>Min</b>	<b>49.80</b>	<b>18:09:40</b>	<b>Min</b>	<b>49.928</b>	<b>16:30:00</b>	<b>No. of excursion above 50.00 Hz</b>		<b>134</b>
<b>Average time freq remains below 49.97 per excursion</b>		<b>0:02:44</b>	<b>Average time frequency remains above 50.03 per excursion</b>		<b>0:03:43</b>	<b>No. of excursion below 50.00 Hz</b>		<b>129</b>