

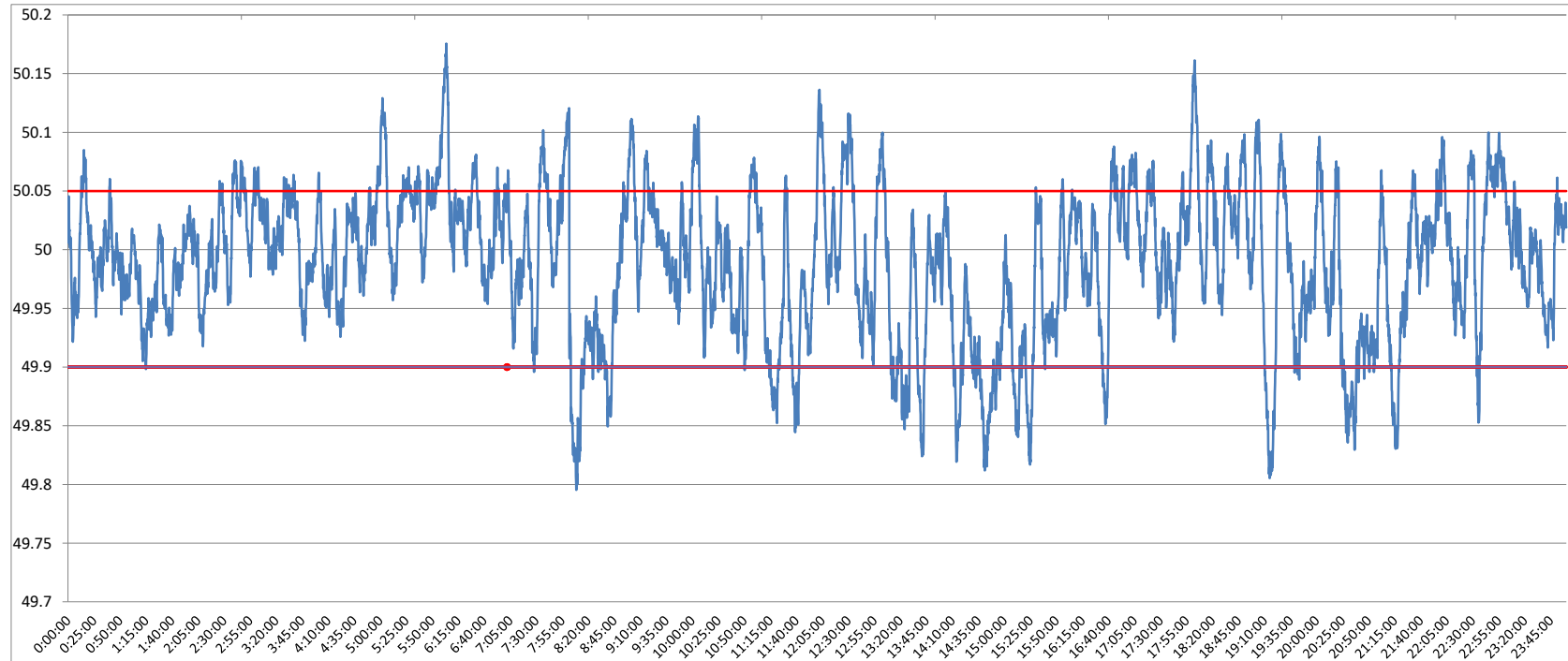


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

18-May-17



<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	9.56	35.57	0.02	9.54	44.41	43.96	2.07	74.11	100.00	36.99	14.31	46.00	27.44	16.33	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.041</b>	<b>Standard Deviation :</b>	<b>0.063</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.18</b>	<b>6:03:30</b>
<b>Min</b>	<b>49.80</b>	<b>8:08:30</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.071</b>	<b>23:00:00</b>
<b>Min</b>	<b>49.872</b>	<b>14:45:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>132</b>
<b>No. of excursion below 49.97 Hz</b>	<b>139</b>
<b>No. of excursion above 50.00 Hz</b>	<b>148</b>
<b>No. of excursion below 50.00 Hz</b>	<b>147</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:03:41</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:00</b>
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