

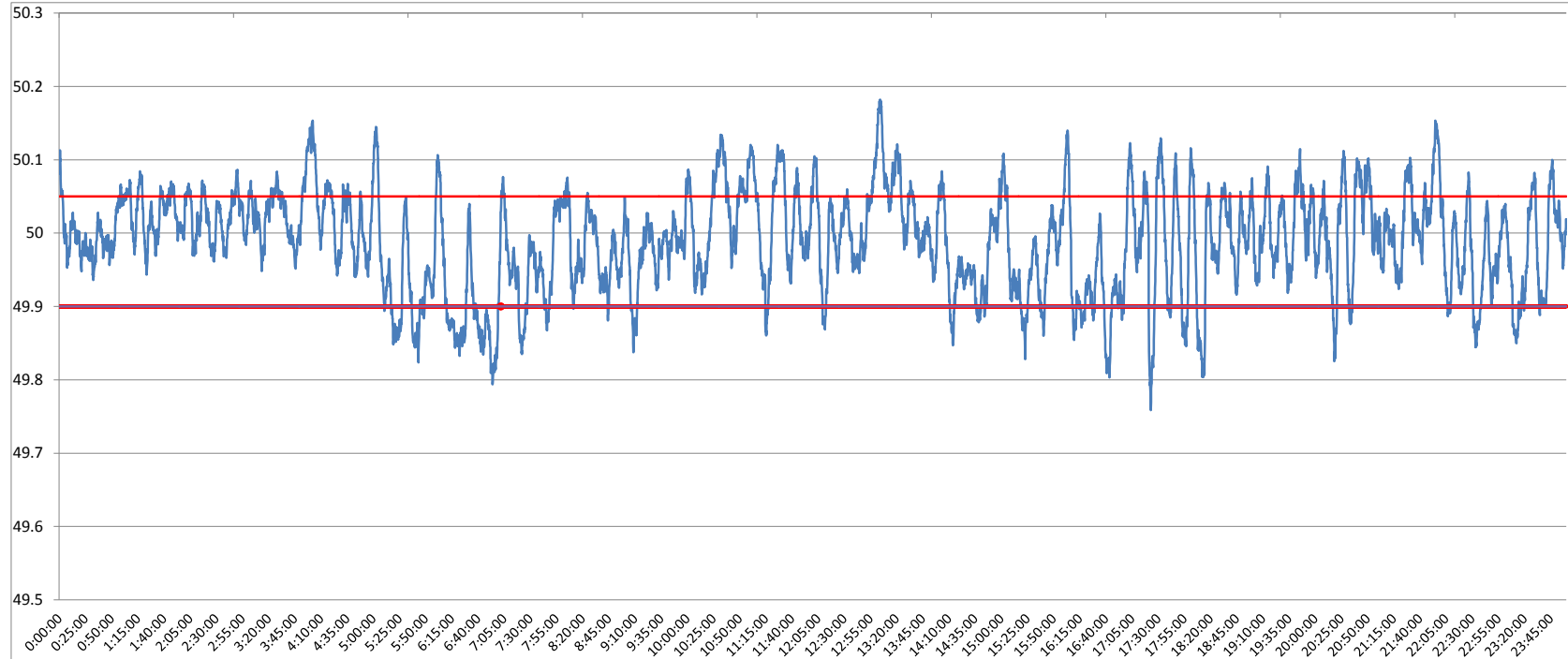


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

30-Nov-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	11.89	37.16	0.15	11.74	42.42	41.45	4.25	68.63	100.00	32.88	15.30	45.61	29.95	19.48	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.048</b>	<b>Standard Deviation :</b>	<b>0.068</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.18</b>	<b>13:04:10</b>
<b>Min</b>	<b>49.76</b>	<b>17:23:00</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.103</b>	<b>13:15:00</b>
<b>Min</b>	<b>49.849</b>	<b>7:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>113</b>
<b>No. of excursion below 49.97 Hz</b>	<b>129</b>
<b>No. of excursion above 50.00 Hz</b>	<b>141</b>
<b>No. of excursion below 50.00 Hz</b>	<b>141</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:09</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:49</b>
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