

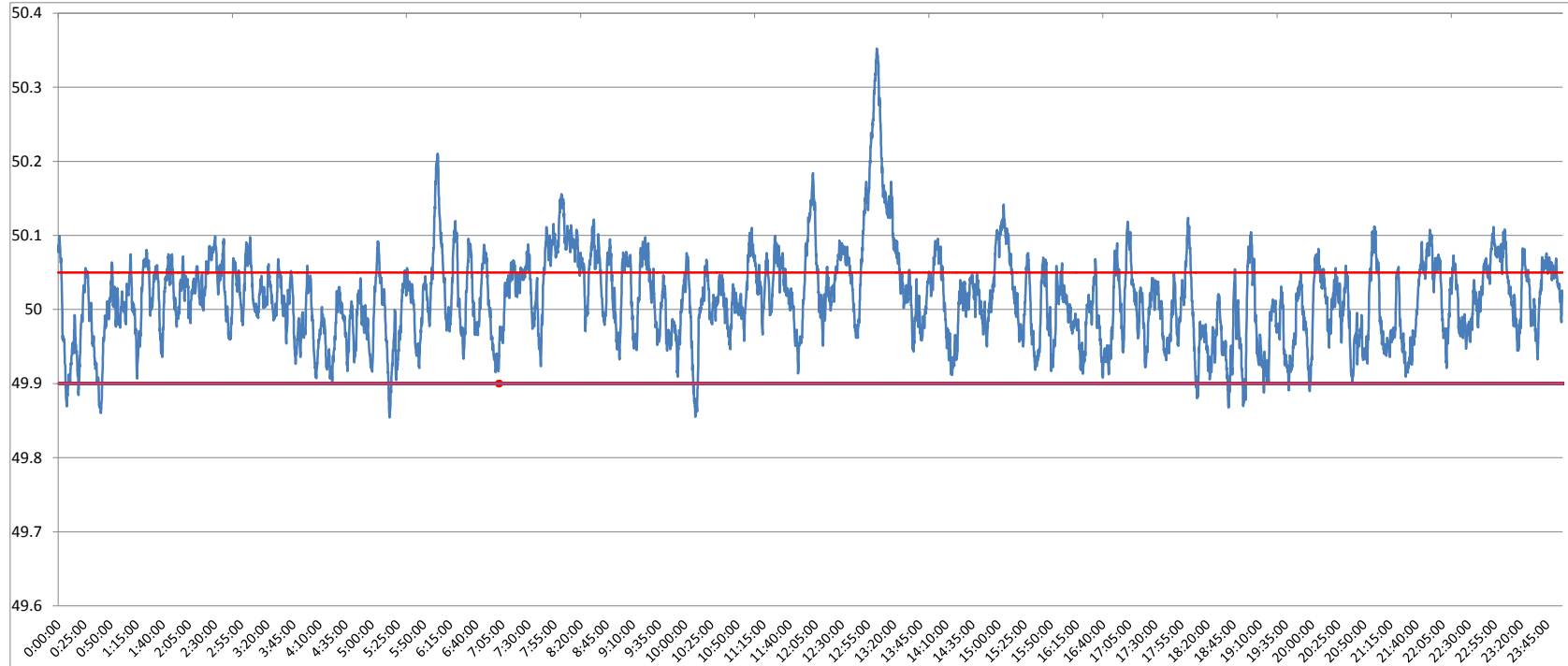


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

10-Aug-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	1.64	23.75	0.00	1.64	39.26	53.91	4.33	72.66	99.14	37.94	20.59	59.00	38.31	25.69	0.86

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.038</b>	<b>Standard Deviation :</b>	<b>0.060</b>
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<b>Instantaneous Frequency</b>			
<b>Max</b>	<b>50.35</b>	<b>13:03:30</b>	
<b>Min</b>	<b>49.85</b>	<b>5:17:10</b>	

<b>15 minute average Frequency</b>			
<b>Max</b>	<b>50.231</b>	<b>13:15:00</b>	
<b>Min</b>	<b>49.932</b>	<b>0:45:00</b>	

<b>No. of excursion above 50.03 Hz</b>	<b>162</b>
<b>No. of excursion below 49.97 Hz</b>	<b>148</b>
<b>No. of excursion above 50.00 Hz</b>	<b>169</b>
<b>No. of excursion below 50.00 Hz</b>	<b>165</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:02:19</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:24</b>
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