

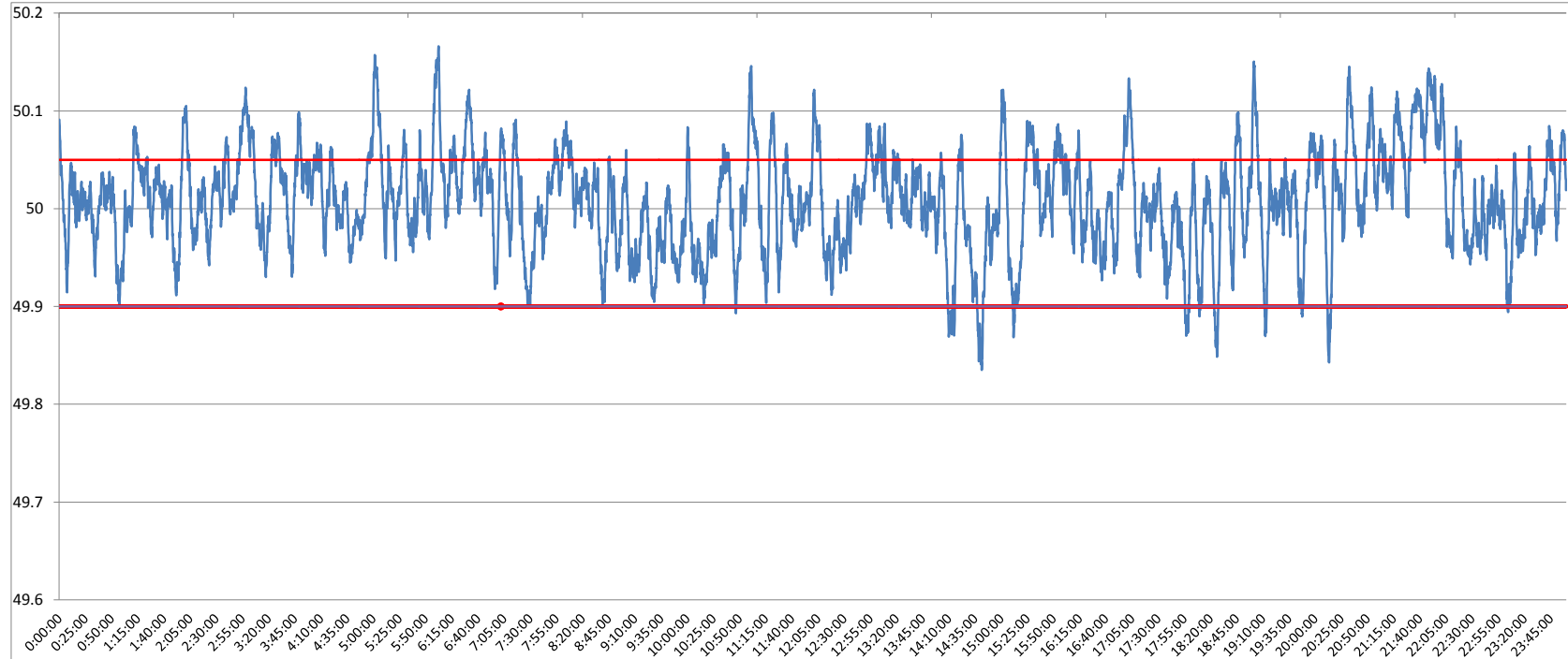


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

17-May-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	2.11	22.22	0.00	2.11	40.88	53.11	3.90	77.72	100.00	45.35	16.33	56.94	32.43	20.17	0.00

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.027</b>	<b>Standard Deviation :</b>	<b>0.052</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.17 6:02:20</b>
<b>Min</b>	<b>49.84 14:41:30</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.104</b>	<b>22:00:00</b>
<b>Min</b>	<b>49.905</b>	<b>14:45:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>157</b>
<b>No. of excursion below 49.97 Hz</b>	<b>115</b>
<b>No. of excursion above 50.00 Hz</b>	<b>195</b>
<b>No. of excursion below 50.00 Hz</b>	<b>191</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:02:47</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:58</b>
--	----------------	---	----------------