

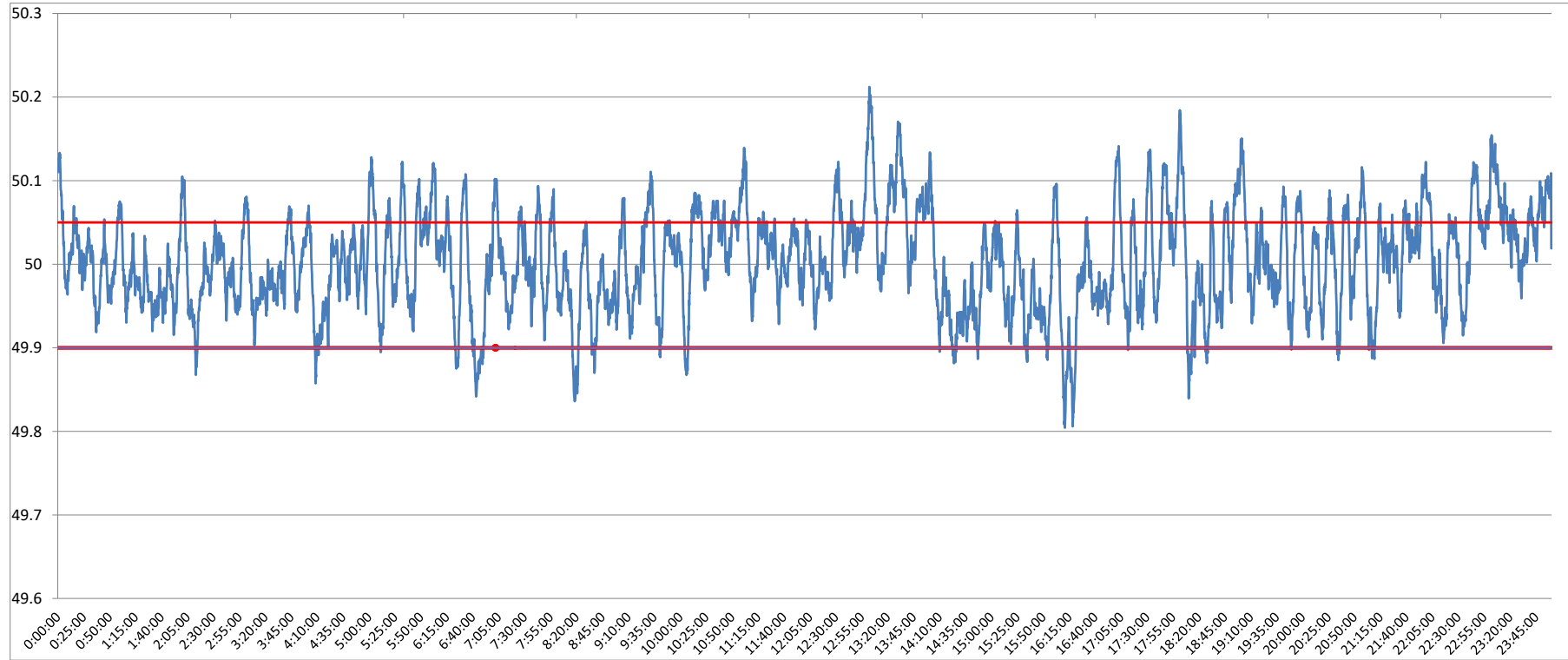


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

04-Feb-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	4.04	31.10	0.00	4.04	45.06	45.47	5.37	73.31	99.94	35.64	17.29	50.82	33.26	22.65	0.06

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.036</b>	<b>Standard Deviation :</b>	<b>0.060</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.21 13:02:20
Min	49.80 16:10:50

15 minute average Frequency	
Max	50.094 23:15:00
Min	49.924 16:30:00

No. of excursion above 50.03 Hz	151
No. of excursion below 49.97 Hz	147
No. of excursion above 50.00 Hz	147
No. of excursion below 50.00 Hz	144

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:03:03</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:10</b>
--	----------------	---	----------------