

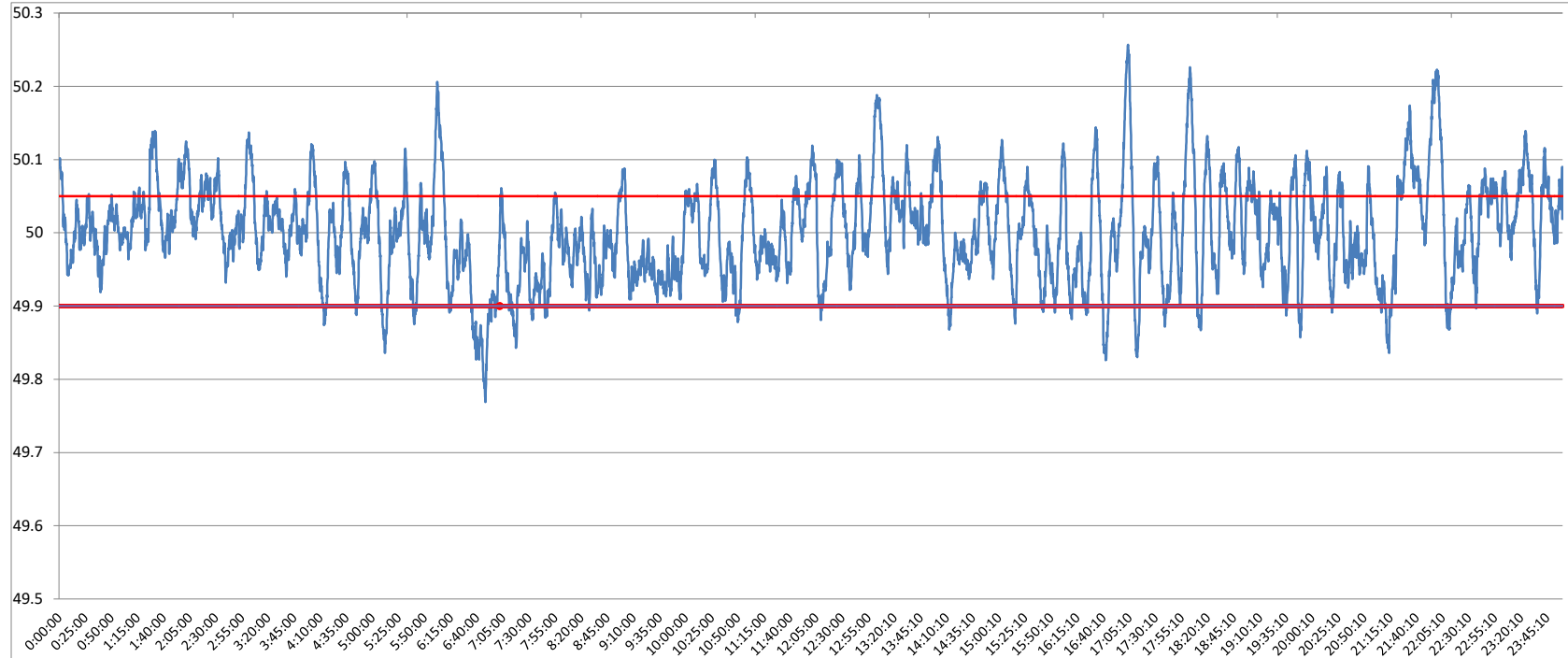


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

NEHU:Frequency

National Grid Frequency Profile for

23-Dec-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	6.35	32.49	0.15	6.20	43.90	42.74	6.31	69.97	99.31	34.66	17.35	48.52	32.85	23.68	0.69

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.047</b>	<b>Standard Deviation :</b>	<b>0.068</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.26	17:03:50
Min	49.77	6:48:20

15 minute average Frequency		
Max	50.104	22:00:00
Min	49.869	7:00:00

No. of excursion above 50.03 Hz	109
No. of excursion below 49.97 Hz	106
No. of excursion above 50.00 Hz	109
No. of excursion below 50.00 Hz	104

Average time freq remains below 49.97 per excursion	0:04:25	Average time frequency remains above 50.03 per excursion	0:04:20
---	---------	--	---------