

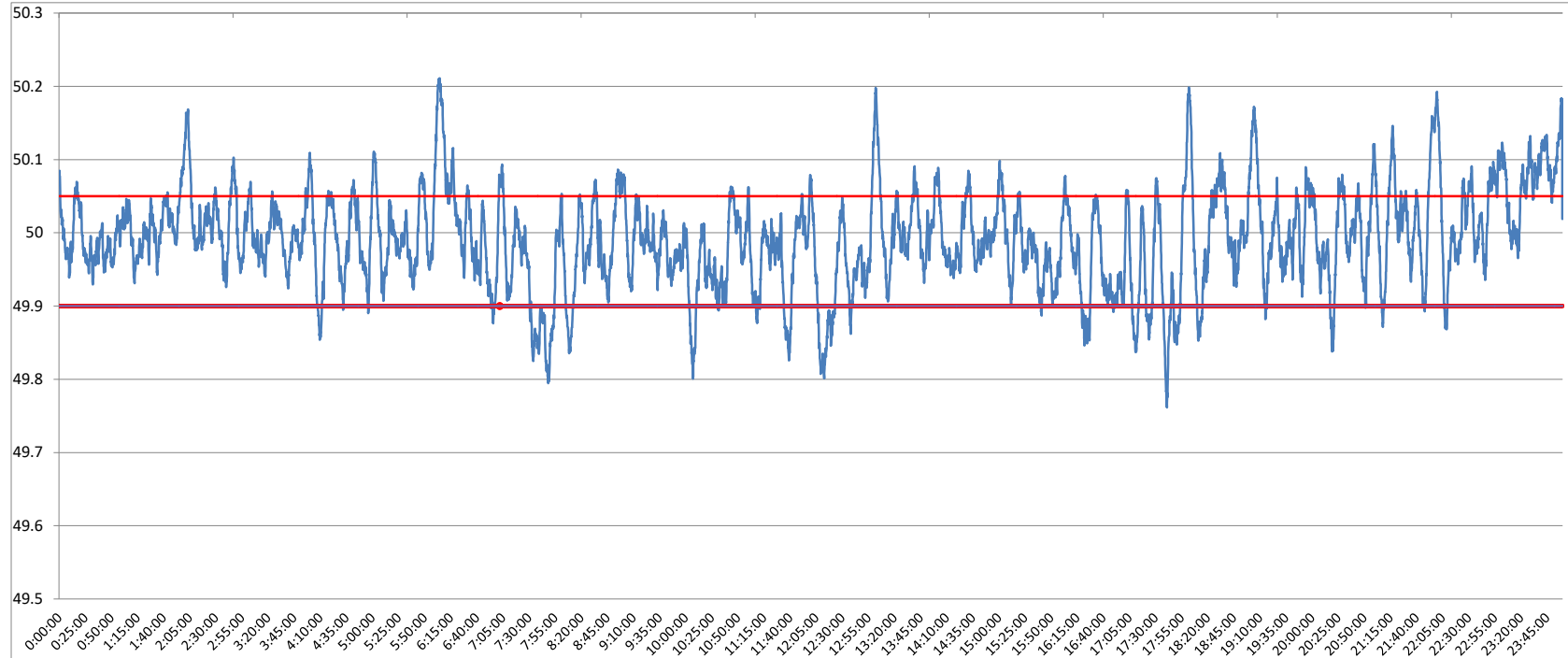


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SLPR4:Frequency

National Grid Frequency Profile for

11-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	8.69	35.87	0.17	8.52	48.18	38.36	4.63	73.44	99.86	37.95	13.13	43.03	26.18	17.87	0.14

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.045</b>	<b>Standard Deviation :</b>	<b>0.067</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.21 6:04:20
Min	49.76 17:40:50

15 minute average Frequency		
Max	50.127	6:15:00
Min	49.870	7:45:00

No. of excursion above 50.03 Hz	112
No. of excursion below 49.97 Hz	173
No. of excursion above 50.00 Hz	156
No. of excursion below 50.00 Hz	155

Average time freq remains below 49.97 per excursion	0:02:59	Average time frequency remains above 50.03 per excursion	0:03:22
---	---------	--	---------