

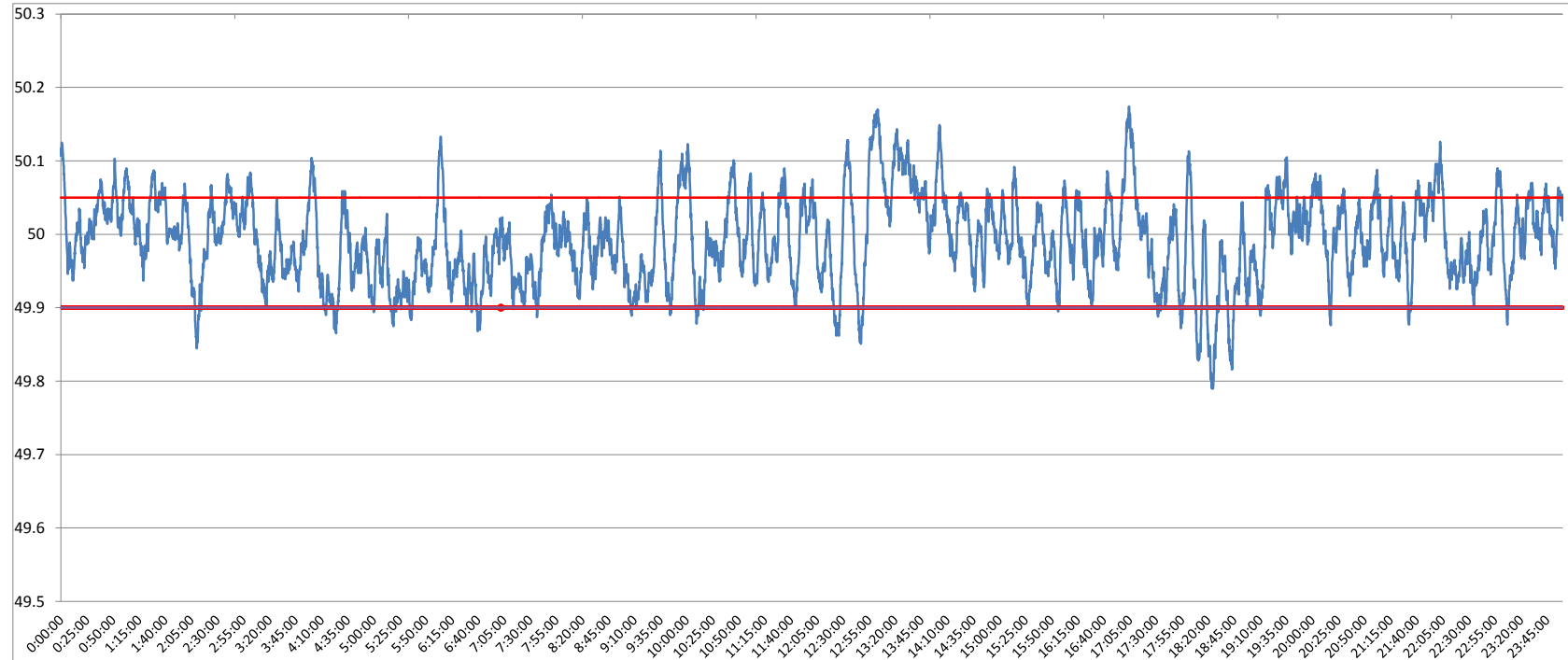


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

01-Oct-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	4.84	36.59	0.10	4.73	50.63	41.27	3.26	78.77	100.00	36.61	13.66	43.23	26.81	16.39	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.036</b>	<b>Standard Deviation :</b>	<b>0.059</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz		No. of excursion below 49.97 Hz	
Max	50.17	17:04:00	Max	50.097	17:15:00	97	
Min	49.79	18:23:30	Min	49.881	18:30:00	107	
						No. of excursion above 50.00 Hz	
						102	
						No. of excursion below 50.00 Hz	
						100	

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:55</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:59</b>
--	----------------	---	----------------