

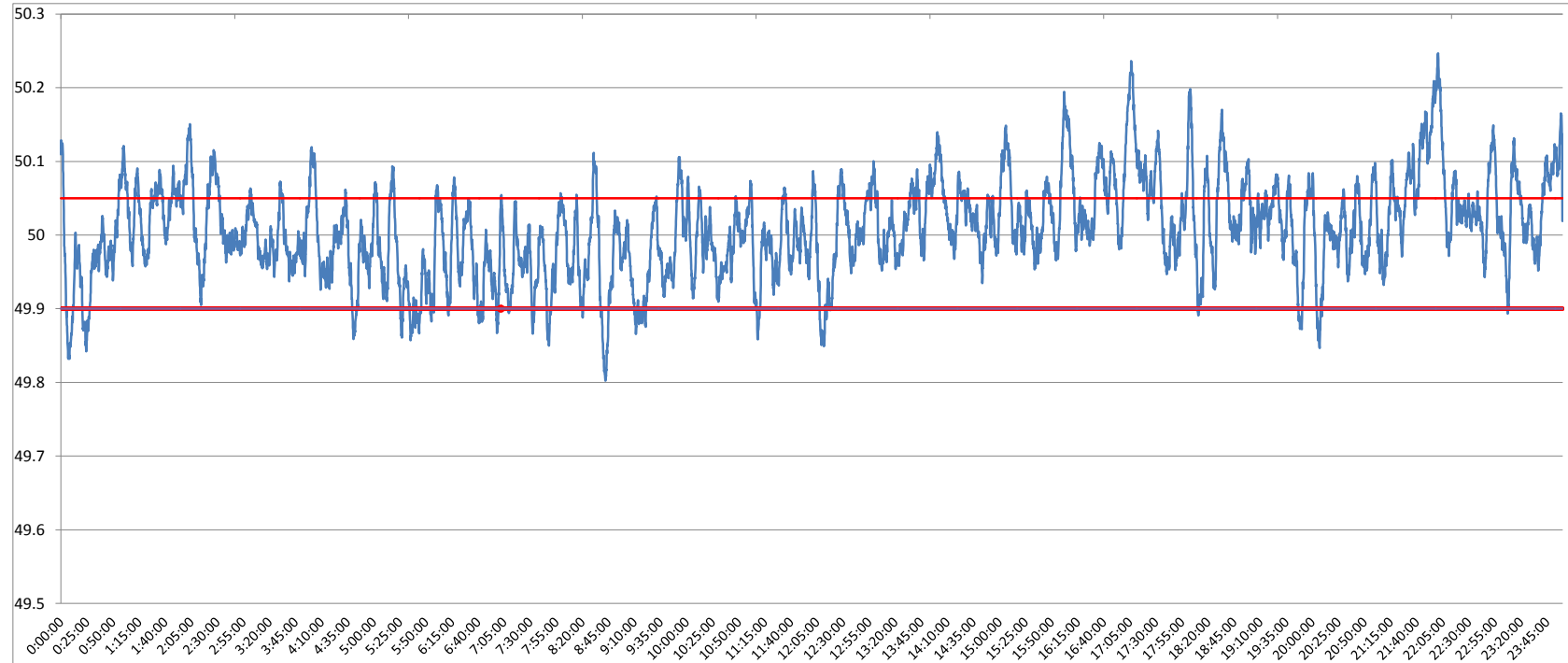


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

01-Jan-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	5.69	27.01	0.00	5.69	40.95	45.72	7.06	68.94	99.42	37.57	17.81	53.30	35.42	25.37	0.58

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.044</b>	<b>Standard Deviation :</b>	<b>0.066</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz	
Max	50.25 22:00:30	Max	50.156 22:00:00	No. of excursion below 49.97 Hz	136
Min	49.80 8:42:10	Min	49.899 5:45:00	No. of excursion above 50.00 Hz	141
				No. of excursion below 50.00 Hz	182
					179

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:02:46</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:45</b>
--	----------------	---	----------------