

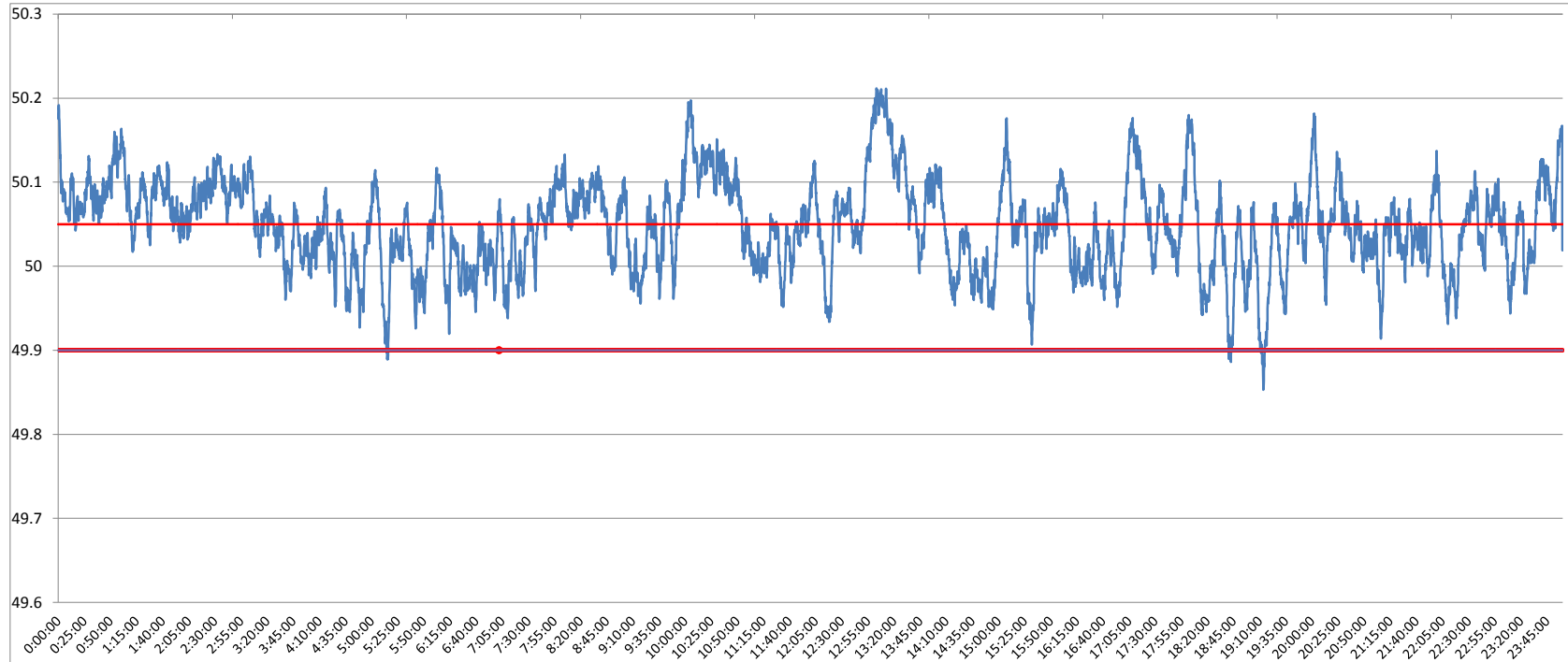


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

01-Aug-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	0.35	7.72	0.00	0.35	19.12	65.00	15.22	50.24	99.69	28.24	34.00	80.51	64.04	49.41	0.31

<b>Average Frequency</b>	<b>50.05</b>	<b>Frequency Variation Index :</b>	<b>0.052</b>	<b>Standard Deviation :</b>	<b>0.054</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		15 minute average Frequency		No. of excursion above 50.03 Hz		No. of excursion below 49.97 Hz	
Max	50.21 13:03:10	Max	50.191 13:15:00	164		73	
Min	49.85 19:13:30	Min	49.971 19:15:00	No. of excursion above 50.00 Hz		113	
				No. of excursion below 50.00 Hz		113	

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:01:31</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:05:37</b>
--	----------------	---	----------------