

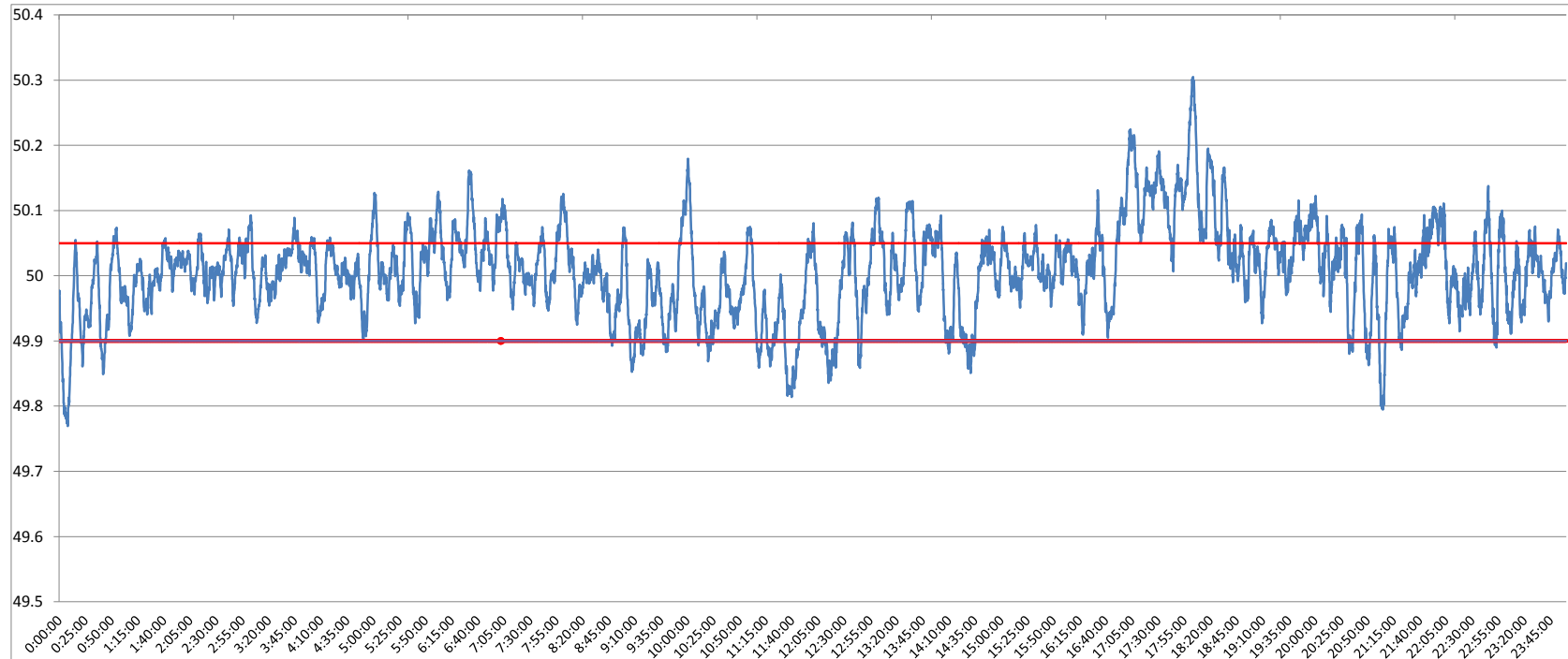


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

23-Mar-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	6.79	26.63	0.32	6.47	36.15	49.27	6.97	68.58	99.18	37.06	16.96	57.00	36.31	24.63	0.82

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.049</b>	<b>Standard Deviation :</b>	<b>0.070</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency	
Max	50.31 18:03:20
Min	49.77 0:08:10

15 minute average Frequency		
Max	50.167	18:15:00
Min	49.866	0:15:00

No. of excursion above 50.03 Hz	157
No. of excursion below 49.97 Hz	120
No. of excursion above 50.00 Hz	146
No. of excursion below 50.00 Hz	148

Average time freq remains below 49.97 per excursion	0:03:12	Average time frequency remains above 50.03 per excursion	0:03:20
---	---------	--	---------