

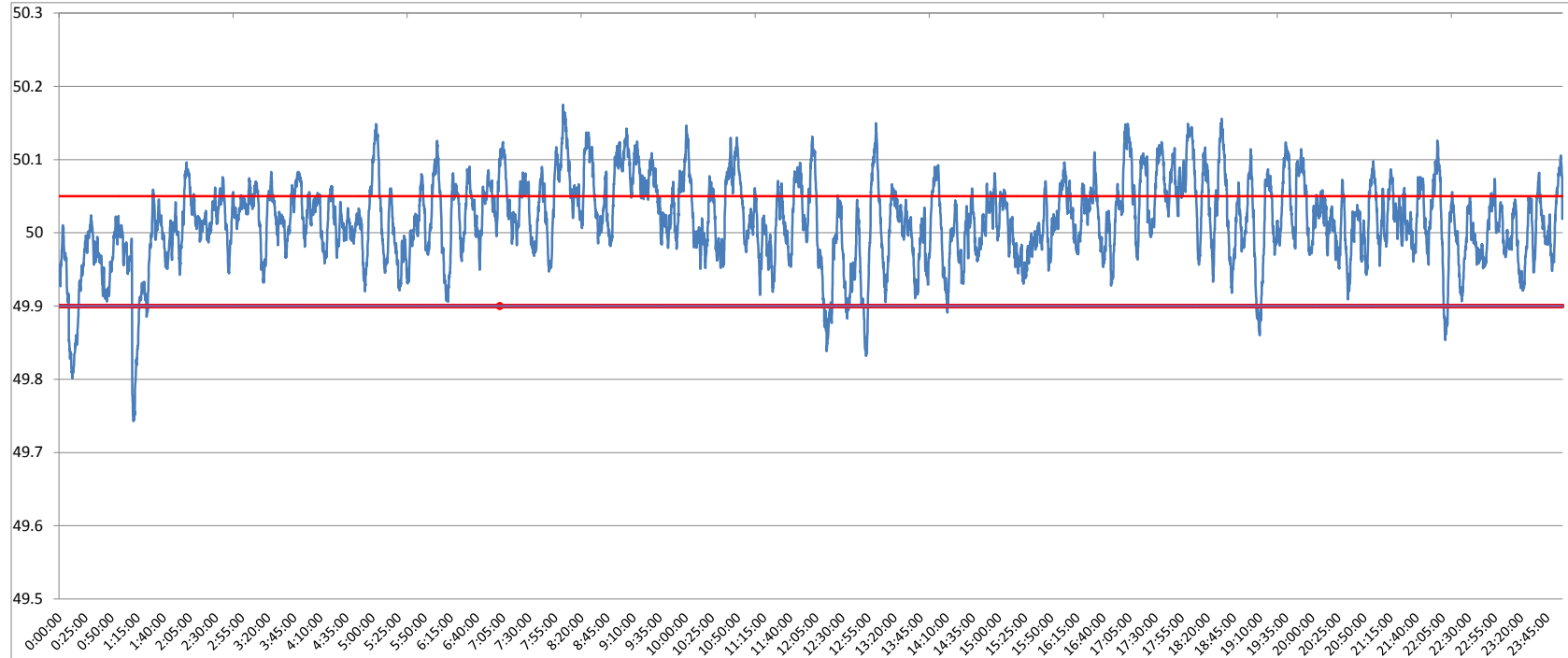


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

17-Apr-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	2.78	18.43	0.23	2.55	34.26	56.12	6.84	69.24	100.00	40.84	21.25	62.93	40.73	27.99	0.00

<b>Average Frequency</b>	<b>50.02</b>	<b>Frequency Variation Index :</b>	<b>0.035</b>	<b>Standard Deviation :</b>	<b>0.057</b>
--------------------------	--------------	------------------------------------	--------------	-----------------------------	--------------

Instantaneous Frequency		
Max	50.18	8:02:50
Min	49.74	1:11:10

15 minute average Frequency		
Max	50.101	9:15:00
Min	49.907	1:15:00

No. of excursion above 50.03 Hz	158
No. of excursion below 49.97 Hz	114
No. of excursion above 50.00 Hz	177
No. of excursion below 50.00 Hz	178

Average time freq remains below 49.97 per excursion	0:02:20	Average time frequency remains above 50.03 per excursion	0:03:43
---	---------	--	---------