

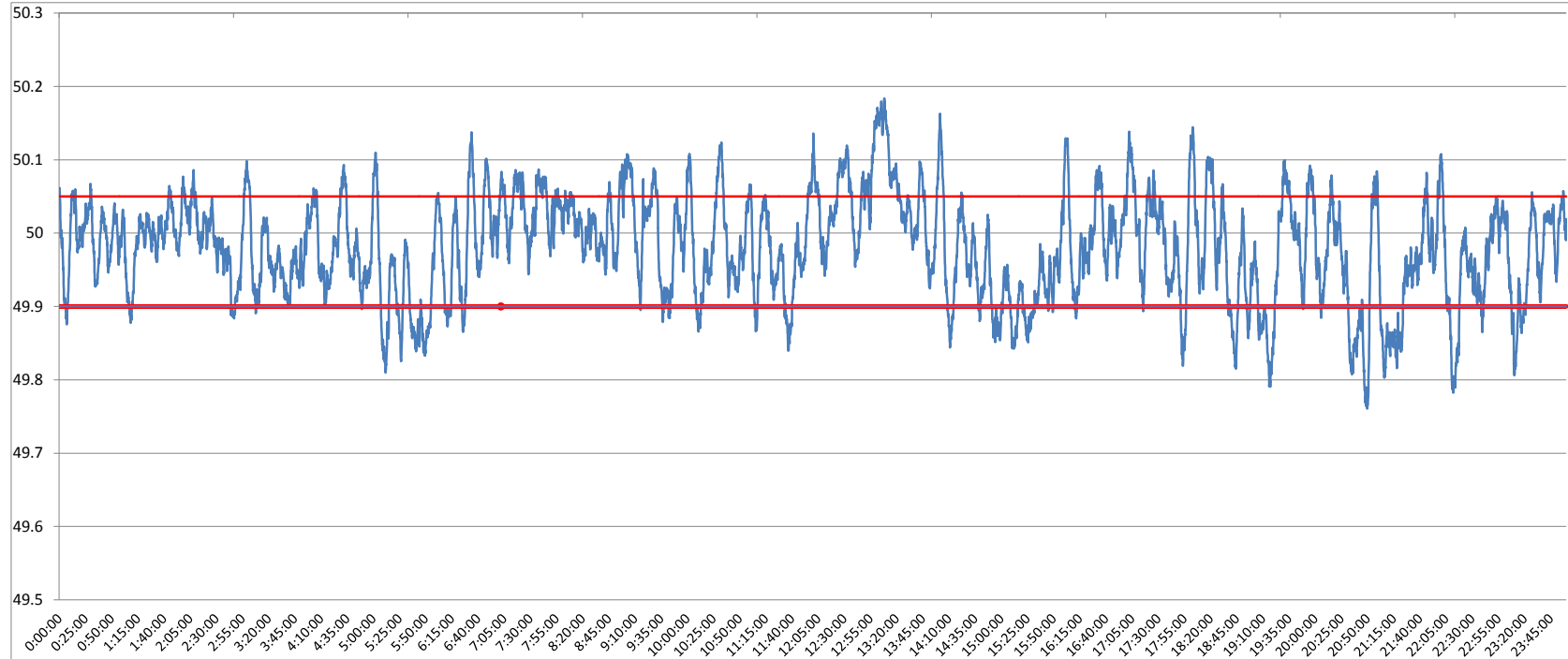


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

22-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	14.25	43.40	0.57	13.68	44.26	38.26	3.23	69.46	100.00	32.01	13.09	41.42	24.58	16.30	0.00

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.054</b>	<b>Standard Deviation :</b>	<b>0.071</b>
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Instantaneous Frequency		
Max	50.18	13:08:10
Min	49.76	20:49:50

15 minute average Frequency		
Max	50.142	13:15:00
Min	49.861	20:45:00

No. of excursion above 50.03 Hz	104
No. of excursion below 49.97 Hz	123
No. of excursion above 50.00 Hz	122
No. of excursion below 50.00 Hz	123

Average time freq remains below 49.97 per excursion	0:05:05	Average time frequency remains above 50.03 per excursion	0:03:24
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