

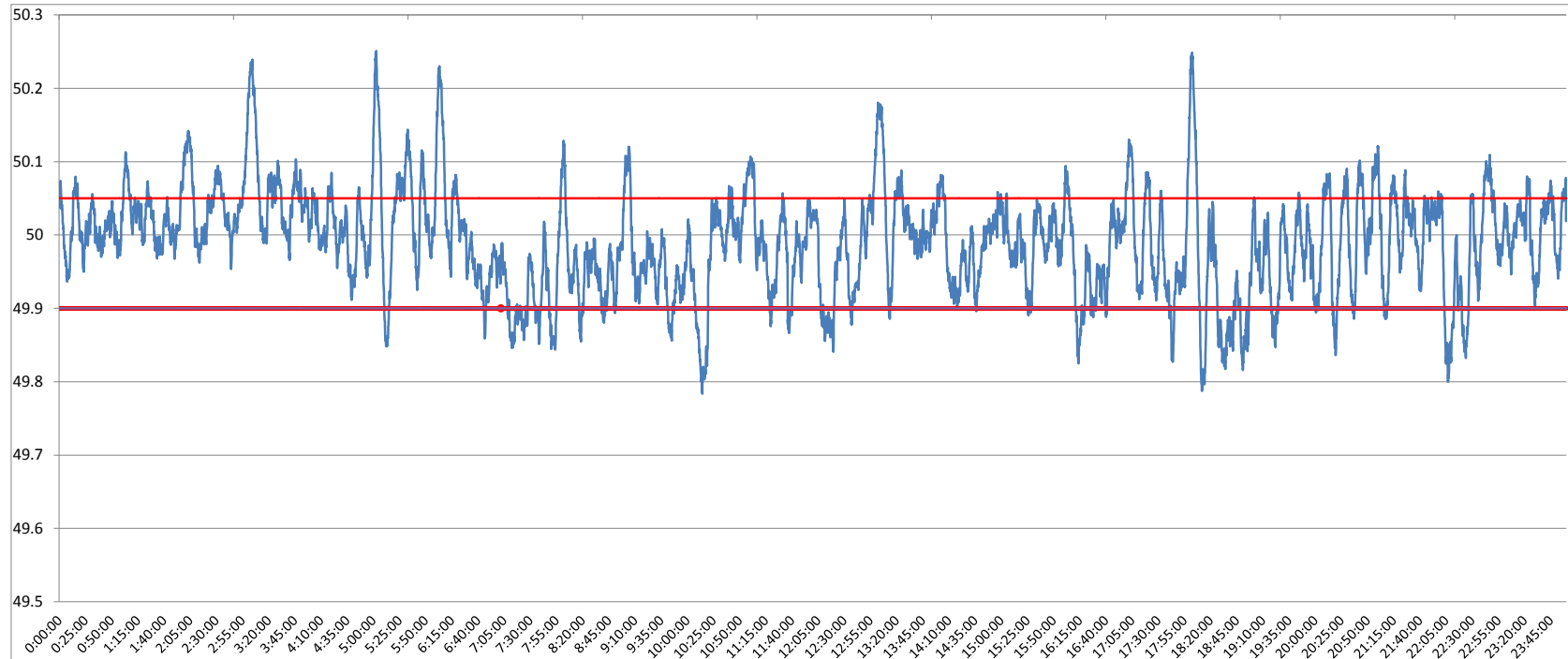


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

23-Jan-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	11.16	36.47	0.17	10.98	42.67	41.42	3.83	71.42	99.09	36.03	12.72	46.08	27.50	17.42	0.91

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.052</b>	<b>Standard Deviation :</b>	<b>0.071</b>
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Instantaneous Frequency	
Max	50.25 5:02:50
Min	49.78 10:14:20

15 minute average Frequency		
Max	50.133	3:15:00
Min	49.866	18:45:00

No. of excursion above 50.03 Hz	128
No. of excursion below 49.97 Hz	138
No. of excursion above 50.00 Hz	149
No. of excursion below 50.00 Hz	148

Average time freq remains below 49.97 per excursion	0:03:48	Average time frequency remains above 50.03 per excursion	0:03:06
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