

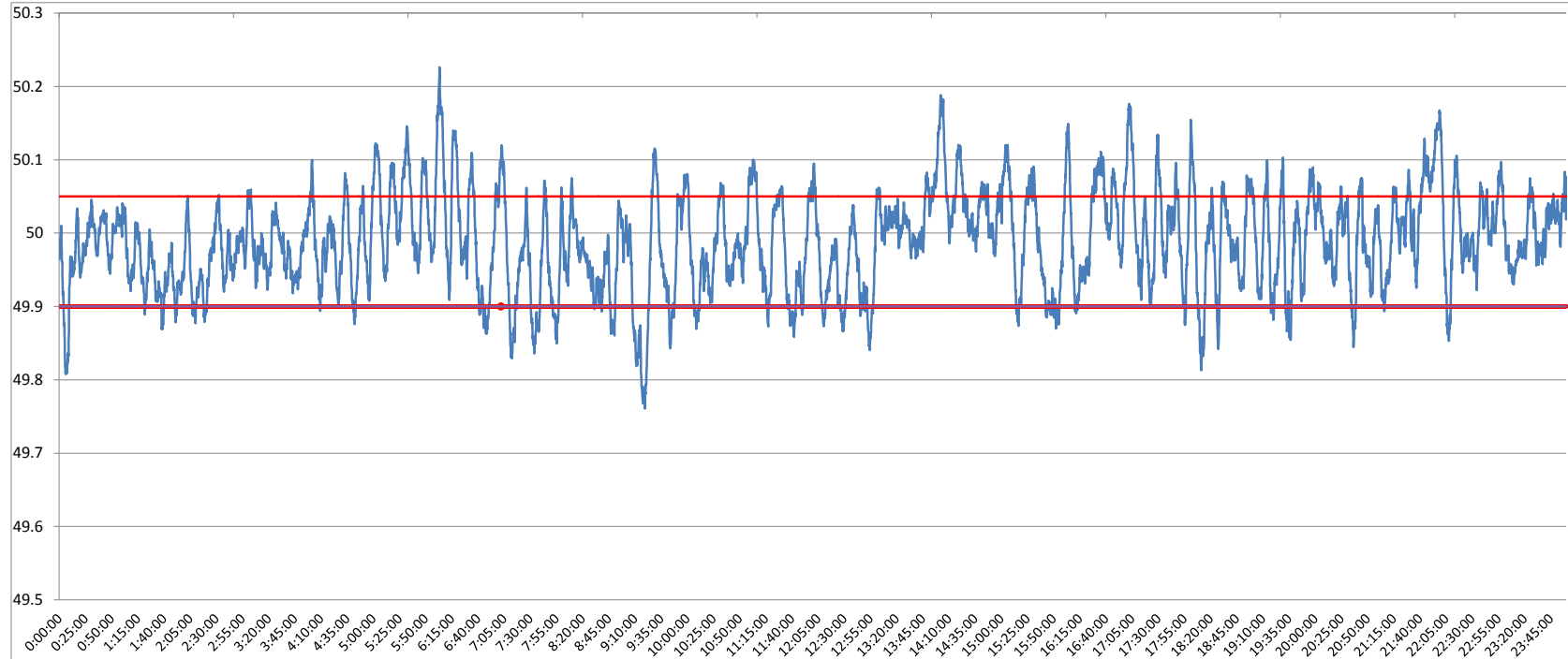


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

03-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	9.70	39.22	0.34	9.36	47.59	38.37	4.27	72.01	99.93	33.77	14.11	42.66	27.00	18.29	0.07

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.046</b>	<b>Standard Deviation :</b>	<b>0.067</b>
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Instantaneous Frequency		
Max	50.23	6:03:20
Min	49.76	9:19:30

15 minute average Frequency		
Max	50.107	22:00:00
Min	49.901	13:00:00

No. of excursion above 50.03 Hz	117
No. of excursion below 49.97 Hz	145
No. of excursion above 50.00 Hz	145
No. of excursion below 50.00 Hz	143

Average time freq remains below 49.97 per excursion	0:03:54	Average time frequency remains above 50.03 per excursion	0:03:19
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