

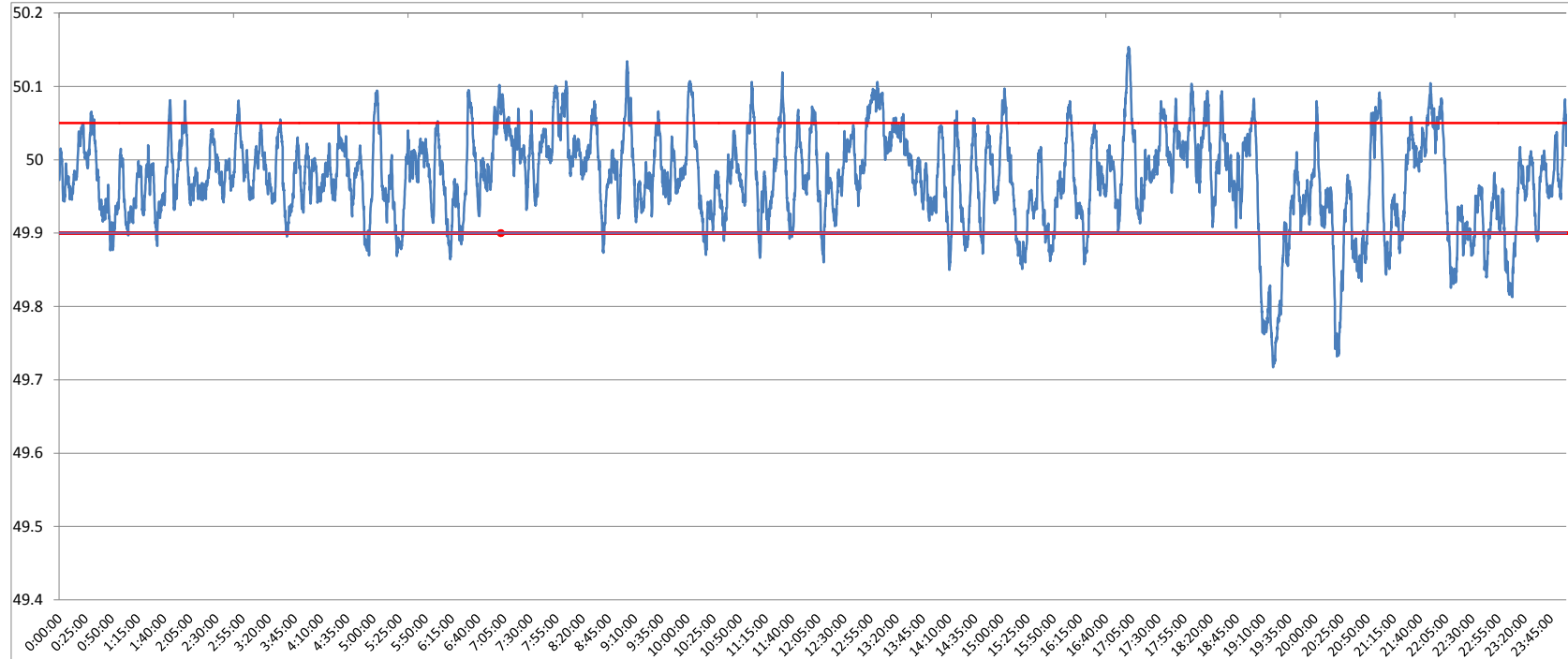


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

20-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	11.48	45.03	1.47	10.01	53.28	34.42	0.82	77.82	100.00	36.08	9.90	35.21	18.89	10.69	0.00

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.046</b>	<b>Standard Deviation :</b>	<b>0.063</b>
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Instantaneous Frequency	
Max	50.15 17:01:40
Min	49.72 19:19:40

15 minute average Frequency	
Max	50.055 22:00:00
Min	49.784 19:30:00

No. of excursion above 50.03 Hz	96
No. of excursion below 49.97 Hz	149
No. of excursion above 50.00 Hz	141
No. of excursion below 50.00 Hz	141

Average time freq remains below 49.97 per excursion	0:04:21	Average time frequency remains above 50.03 per excursion	0:02:50
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