

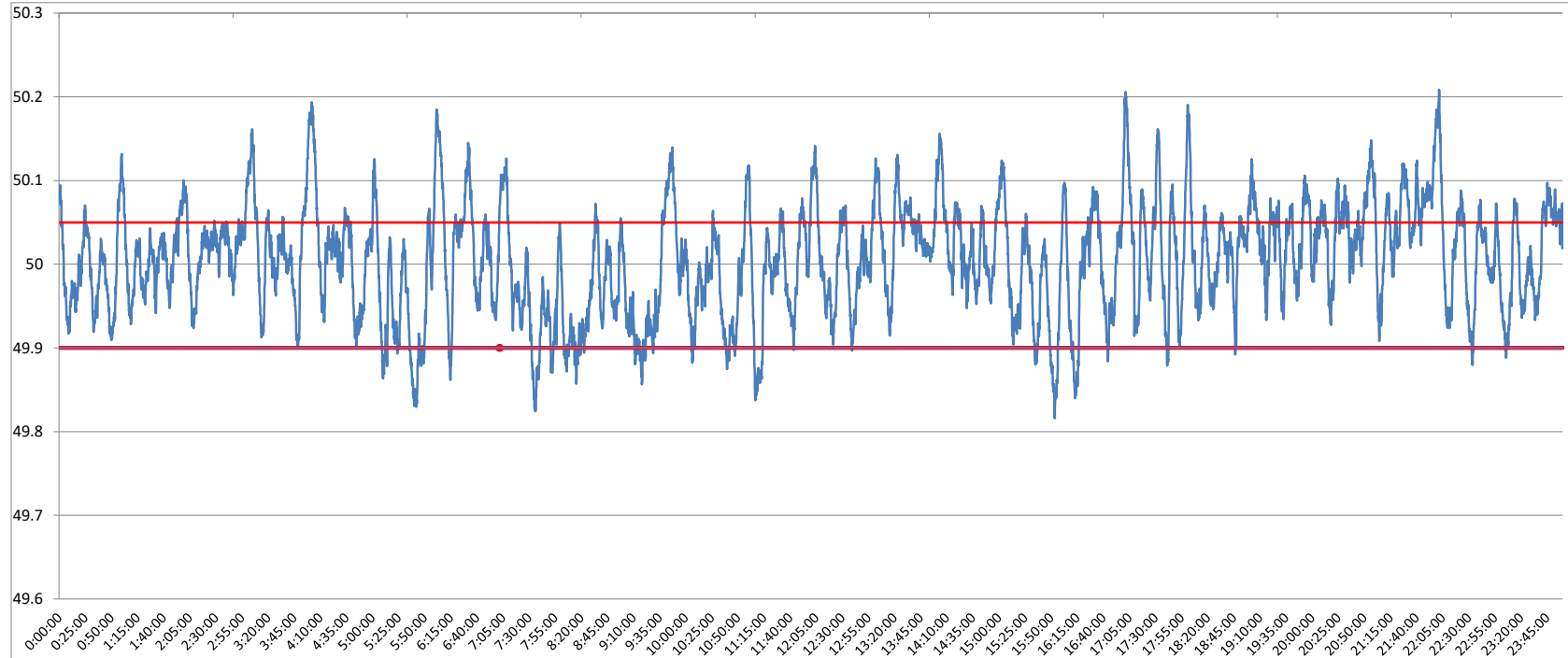


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

20-Nov-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	5.59	30.84	0.00	5.59	39.47	47.95	6.93	69.79	99.94	32.62	17.71	54.87	36.54	24.62	0.06

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.043</b>	<b>Standard Deviation :</b>	<b>0.066</b>
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Instantaneous Frequency	
Max	50.21 22:01:40
Min	49.82 15:53:30

15 minute average Frequency		
Max	50.100	22:00:00
Min	49.900	7:45:00

No. of excursion above 50.03 Hz	152
No. of excursion below 49.97 Hz	107
No. of excursion above 50.00 Hz	130
No. of excursion below 50.00 Hz	130

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:09</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:28</b>
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