

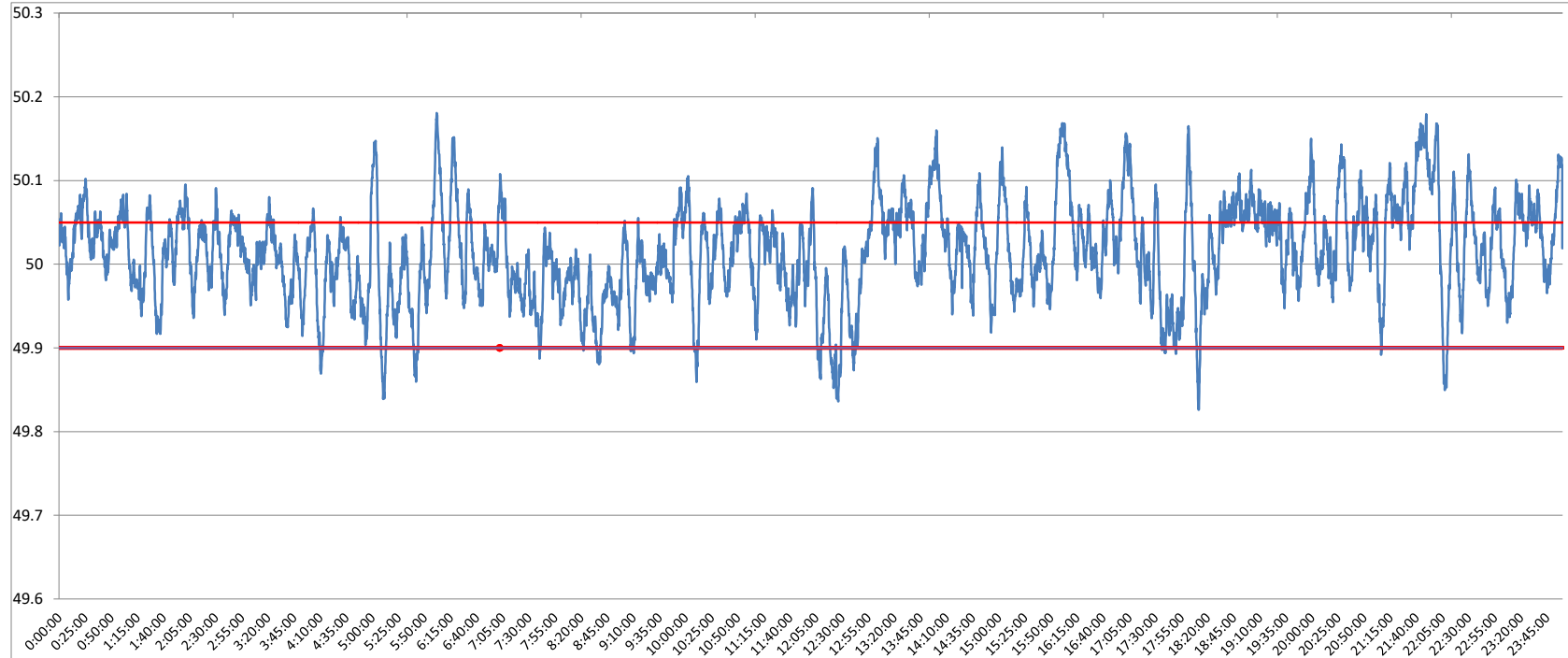


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

13-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	3.18	21.59	0.00	3.18	37.09	52.78	6.94	69.20	100.00	37.58	20.80	59.69	40.83	27.62	0.00

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.036</b>	<b>Standard Deviation :</b>	<b>0.059</b>
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Instantaneous Frequency	
Max	50.18 6:01:40
Min	49.83 18:11:20

15 minute average Frequency		
Max	50.129	22:00:00
Min	49.895	12:30:00

No. of excursion above 50.03 Hz	146
No. of excursion below 49.97 Hz	118
No. of excursion above 50.00 Hz	159
No. of excursion below 50.00 Hz	158

Average time freq remains below 49.97 per excursion	0:02:38	Average time frequency remains above 50.03 per excursion	0:04:02
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