

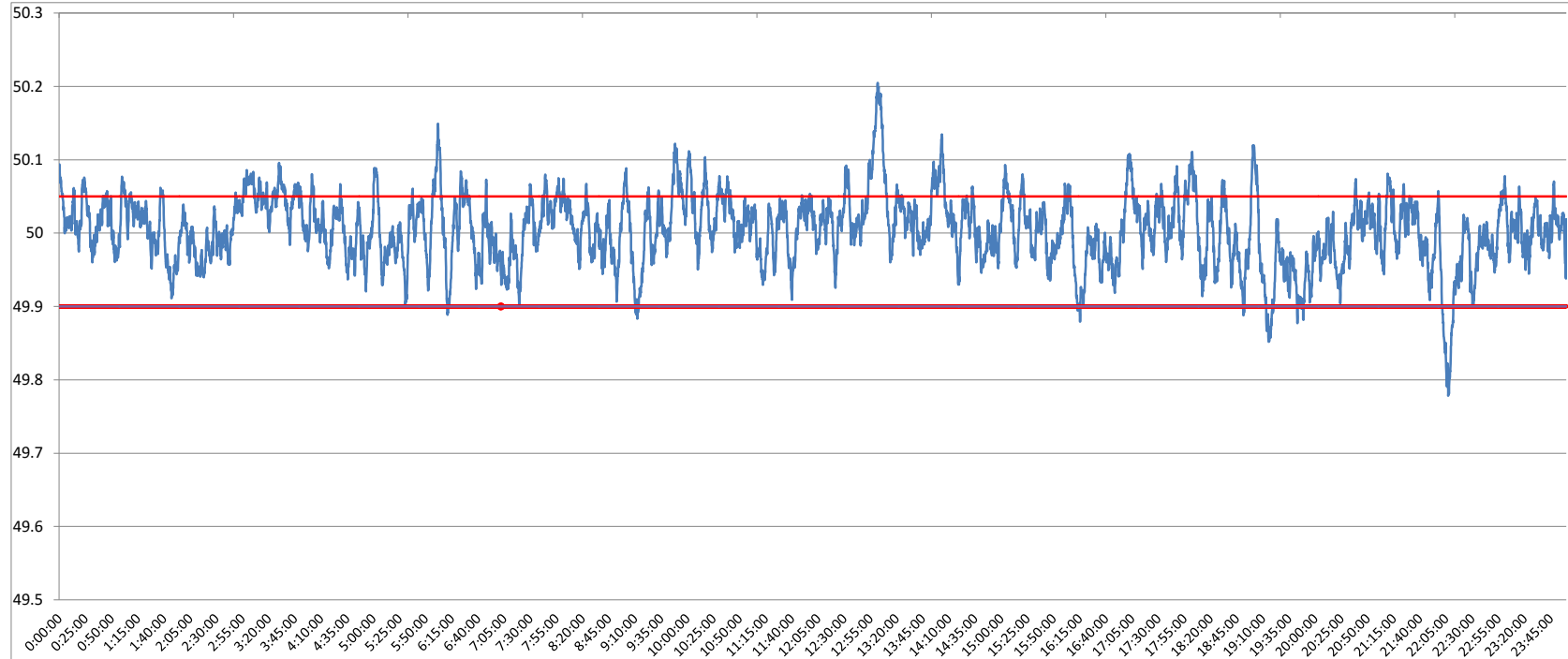


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

19-Jul-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	1.83	22.06	0.13	1.70	42.56	53.83	1.76	83.36	99.98	48.77	13.09	55.51	29.17	14.81	0.02

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.023</b>	<b>Standard Deviation :</b>	<b>0.048</b>
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Instantaneous Frequency		
Max	50.21	13:02:00
Min	49.78	22:07:10

15 minute average Frequency		
Max	50.102	13:15:00
Min	49.864	22:15:00

No. of excursion above 50.03 Hz	191
No. of excursion below 49.97 Hz	158
No. of excursion above 50.00 Hz	193
No. of excursion below 50.00 Hz	191

Average time freq remains below 49.97 per excursion	0:02:01	Average time frequency remains above 50.03 per excursion	0:02:12
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