

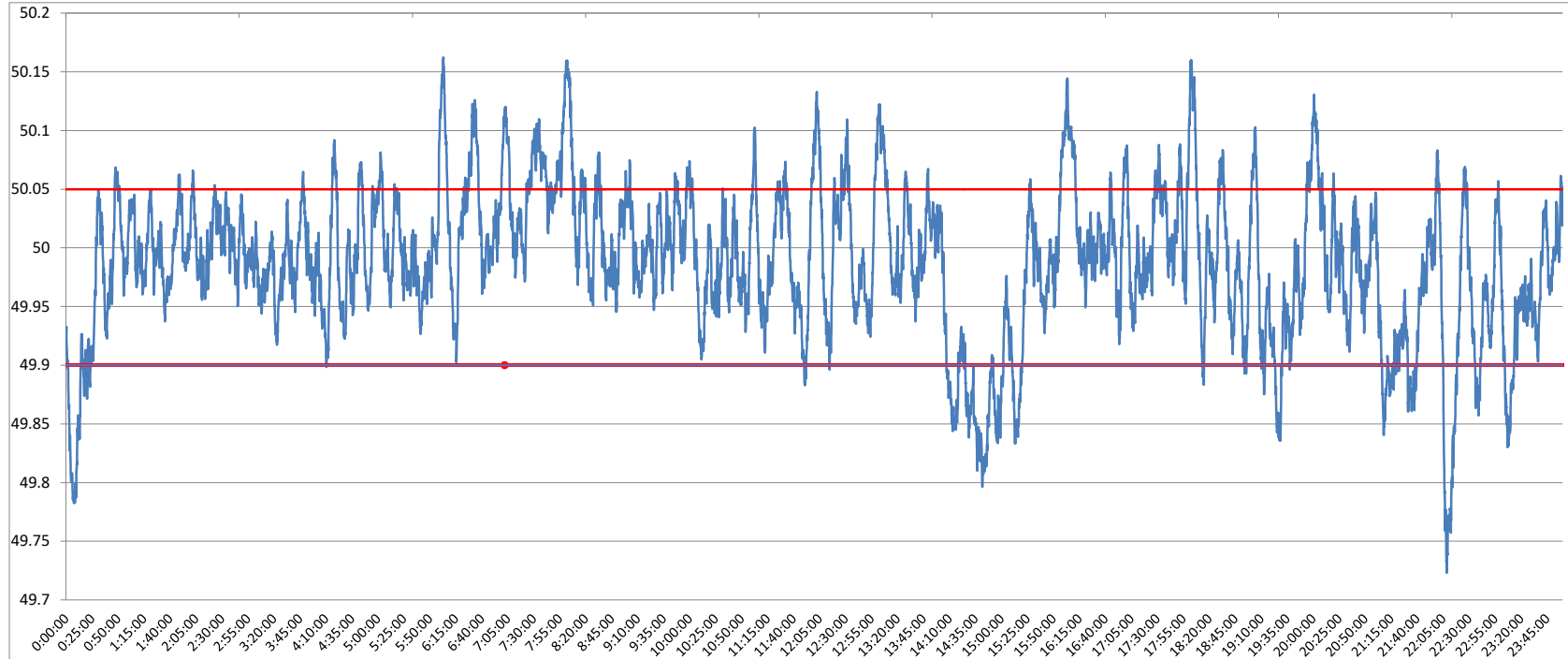


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

20-Apr-17



<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	9.39	35.35	0.78	8.61	48.78	38.77	3.06	76.10	100.00	40.16	11.46	41.77	24.49	14.51	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.043</b>	<b>Standard Deviation :</b>	<b>0.064</b>
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Instantaneous Frequency		
Max	50.16	6:03:00
Min	49.72	22:08:30

15 minute average Frequency		
Max	50.079	16:15:00
Min	49.840	14:45:00

No. of excursion above 50.03 Hz	124
No. of excursion below 49.97 Hz	189
No. of excursion above 50.00 Hz	183
No. of excursion below 50.00 Hz	182

Average time freq remains below 49.97 per excursion	0:02:42	Average time frequency remains above 50.03 per excursion	0:02:51
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