

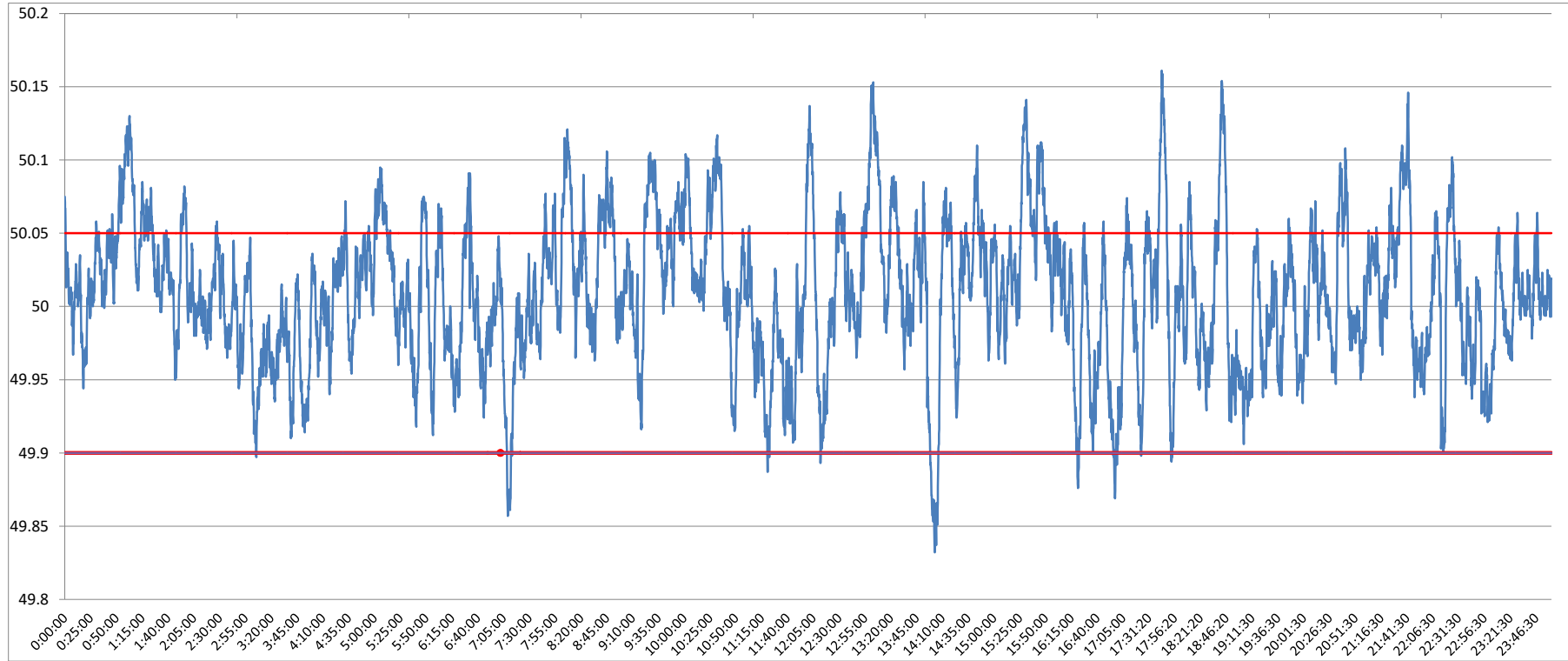


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

21-Jun-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	1.26	21.18	0.00	1.26	40.19	55.10	3.45	79.10	100.00	46.10	16.96	57.03	32.72	19.64	0.00

<b>Average Frequency</b>	<b>50.01</b>	<b>Frequency Variation Index :</b>	<b>0.026</b>	<b>Standard Deviation :</b>	<b>0.050</b>
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Instantaneous Frequency	
Max	50.16 17:43:50
Min	49.83 14:02:30

15 minute average Frequency	
Max	50.086 13:15:00
Min	49.939 7:15:00

No. of excursion above 50.03 Hz	137
No. of excursion below 49.97 Hz	98
No. of excursion above 50.00 Hz	136
No. of excursion below 50.00 Hz	132

Average time freq remains below 49.97 per excursion	0:03:07	Average time frequency remains above 50.03 per excursion	0:03:26
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