

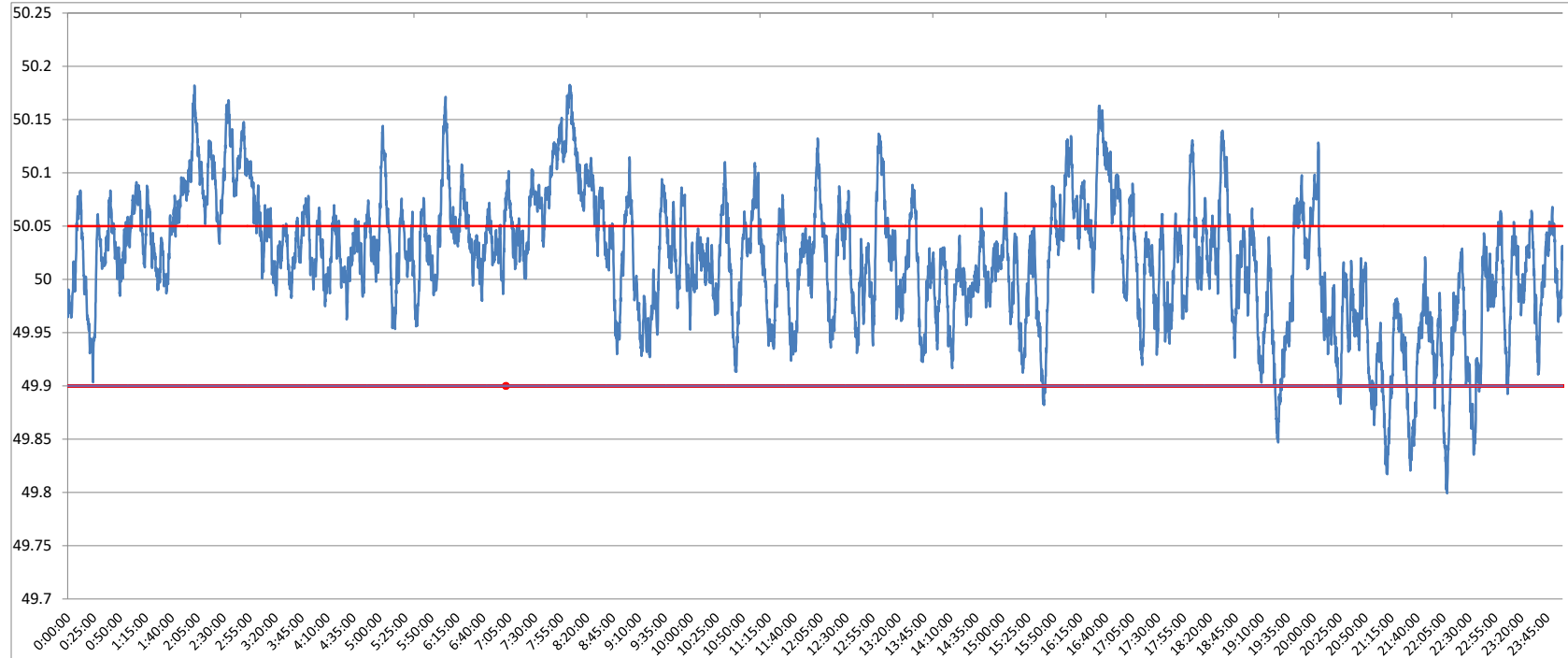


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

22-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	3.36	19.92	0.01	3.34	30.98	57.43	8.23	66.94	100.00	35.45	21.54	65.61	44.63	29.70	0.00

Average Frequency	50.02	Frequency Variation Index :	0.040	Standard Deviation :	0.060
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Instantaneous Frequency			
Max	50.18	8:03:20	
Min	49.80	22:08:40	

15 minute average Frequency			
Max	50.134	8:15:00	
Min	49.890	21:15:00	

No. of excursion above 50.03 Hz	178
No. of excursion below 49.97 Hz	106
No. of excursion above 50.00 Hz	138
No. of excursion below 50.00 Hz	139

Average time freq remains below 49.97 per excursion	0:02:42	Average time frequency remains above 50.03 per excursion	0:03:37
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