

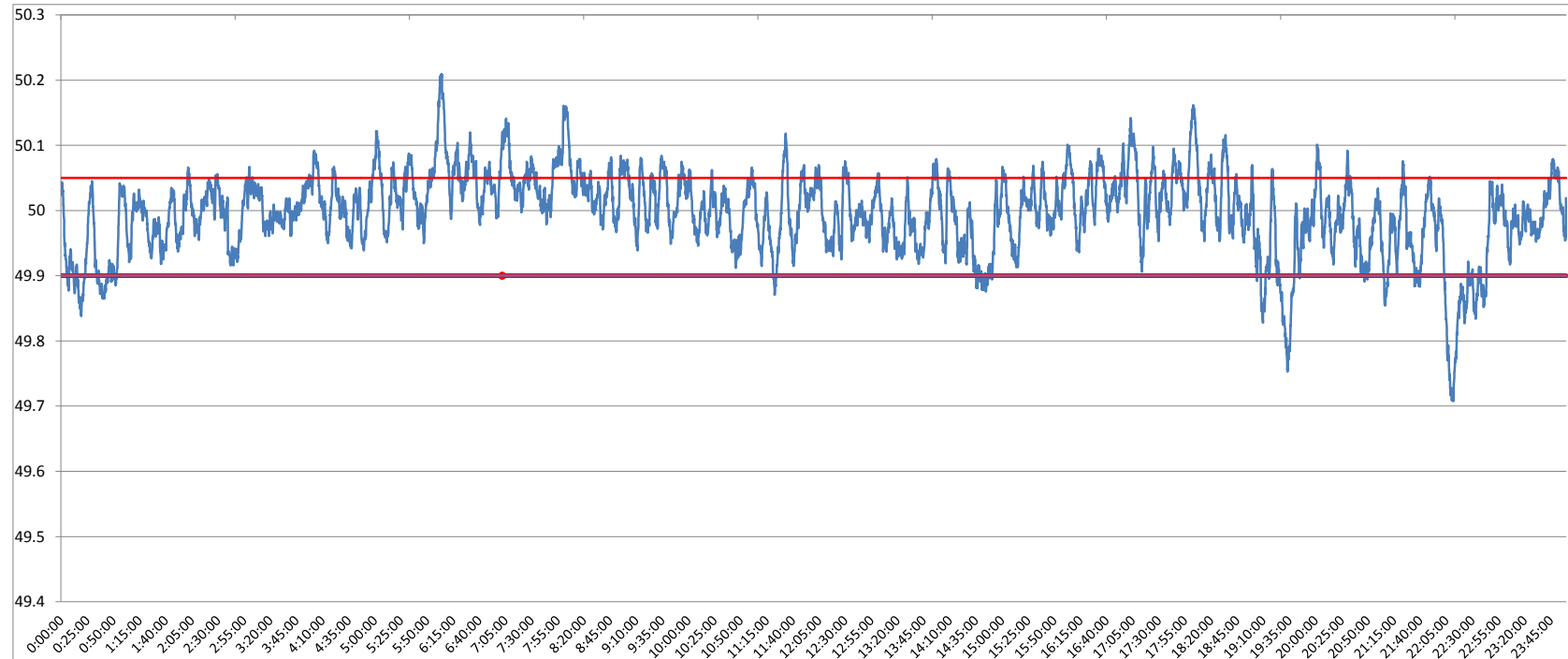


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

15-May-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	7.19	27.94	0.90	6.28	40.68	49.41	2.64	75.16	99.92	42.92	15.36	50.72	29.14	17.65	0.08

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.039</b>	<b>Standard Deviation :</b>	<b>0.062</b>
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Instantaneous Frequency		
Max	50.21	6:03:50
Min	49.71	22:11:40

15 minute average Frequency		
Max	50.108	6:15:00
Min	49.813	22:15:00

No. of excursion above 50.03 Hz	125
No. of excursion below 49.97 Hz	114
No. of excursion above 50.00 Hz	104
No. of excursion below 50.00 Hz	119

Average time freq remains below 49.97 per excursion	0:03:32	Average time frequency remains above 50.03 per excursion	0:03:21
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