

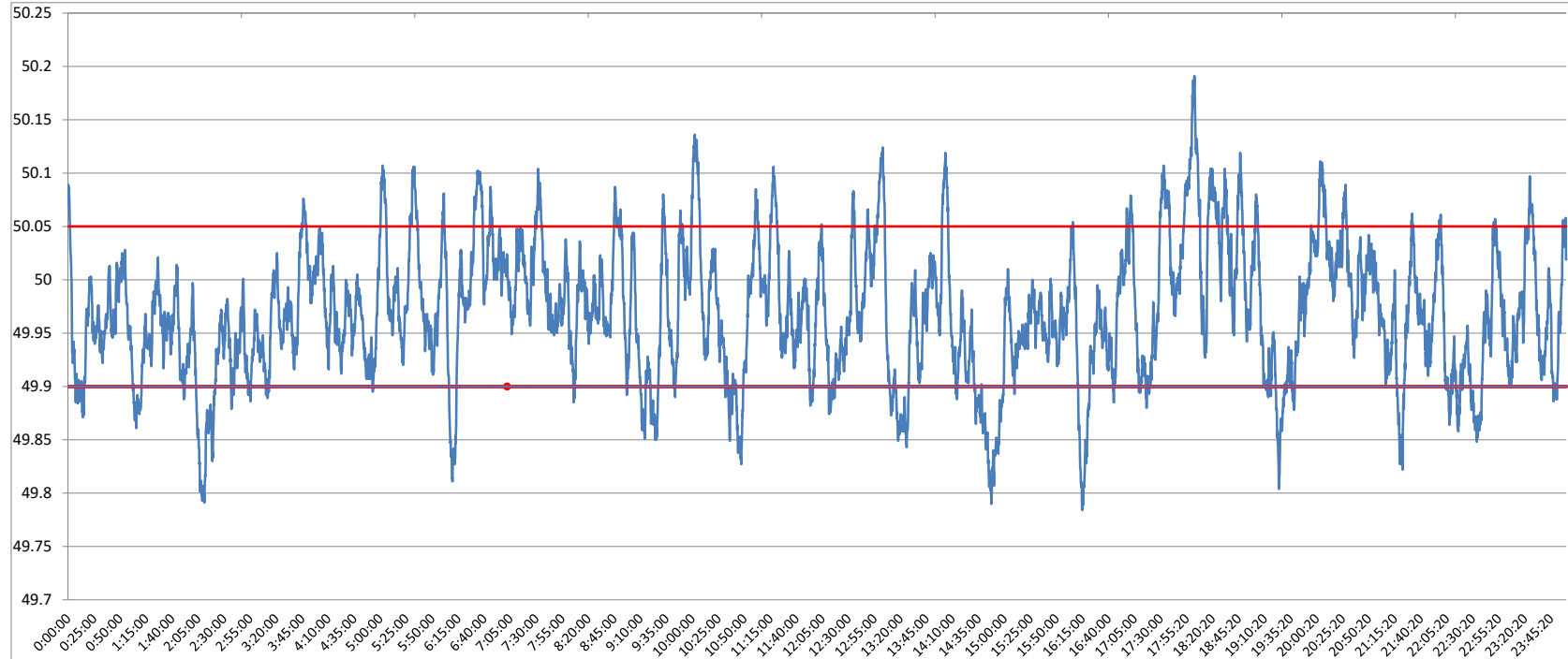


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

05-May-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	13.40	52.64	0.28	13.13	57.07	27.69	1.84	76.01	100.00	30.96	9.17	28.62	16.40	10.59	0.00

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.050</b>	<b>Standard Deviation :</b>	<b>0.063</b>
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Instantaneous Frequency	
Max	50.19 18:02:50
Min	49.78 16:14:40

15 minute average Frequency		
Max	50.063	18:30:00
Min	49.848	15:00:00

No. of excursion above 50.03 Hz	62
No. of excursion below 49.97 Hz	118
No. of excursion above 50.00 Hz	93
No. of excursion below 50.00 Hz	90

Average time freq remains below 49.97 per excursion	0:06:25	Average time frequency remains above 50.03 per excursion	0:03:49
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