

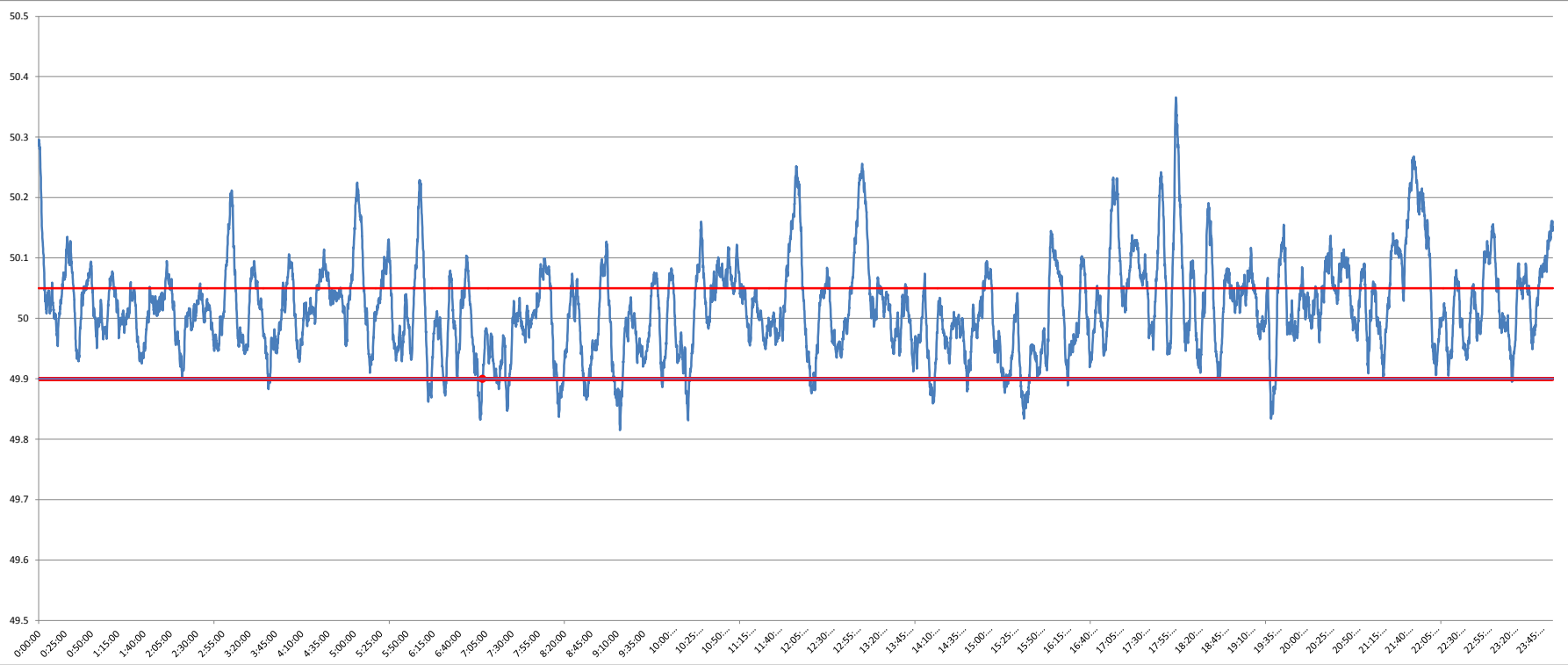


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

05-Feb-15



<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	4.98	27.41	0.00	4.98	38.30	44.63	9.20	64.86	97.11	32.21	18.78	55.71	40.38	30.16	2.89

<b>Average Frequency</b>	<b>50.02</b>	<b>Frequency Variation Index :</b>	<b>0.062</b>	<b>Standard Deviation :</b>	<b>0.077</b>
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Instantaneous Frequency	
MAX	50.37 18:01:30
Min	49.82 9:12:50

15 minute average Frequency	
Max	50.206 22:00:00
Min	49.908 15:45:00

No. of excursion above 50.03 Hz	100
No. of excursion below 49.97 Hz	98
No. of excursion above 50.00 Hz	92
No. of excursion below 50.00 Hz	90

Average time freq remains below 49.97 per excursion	0:04:02	Average time frequency remains above 50.03 per excursion	0:05:49
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