

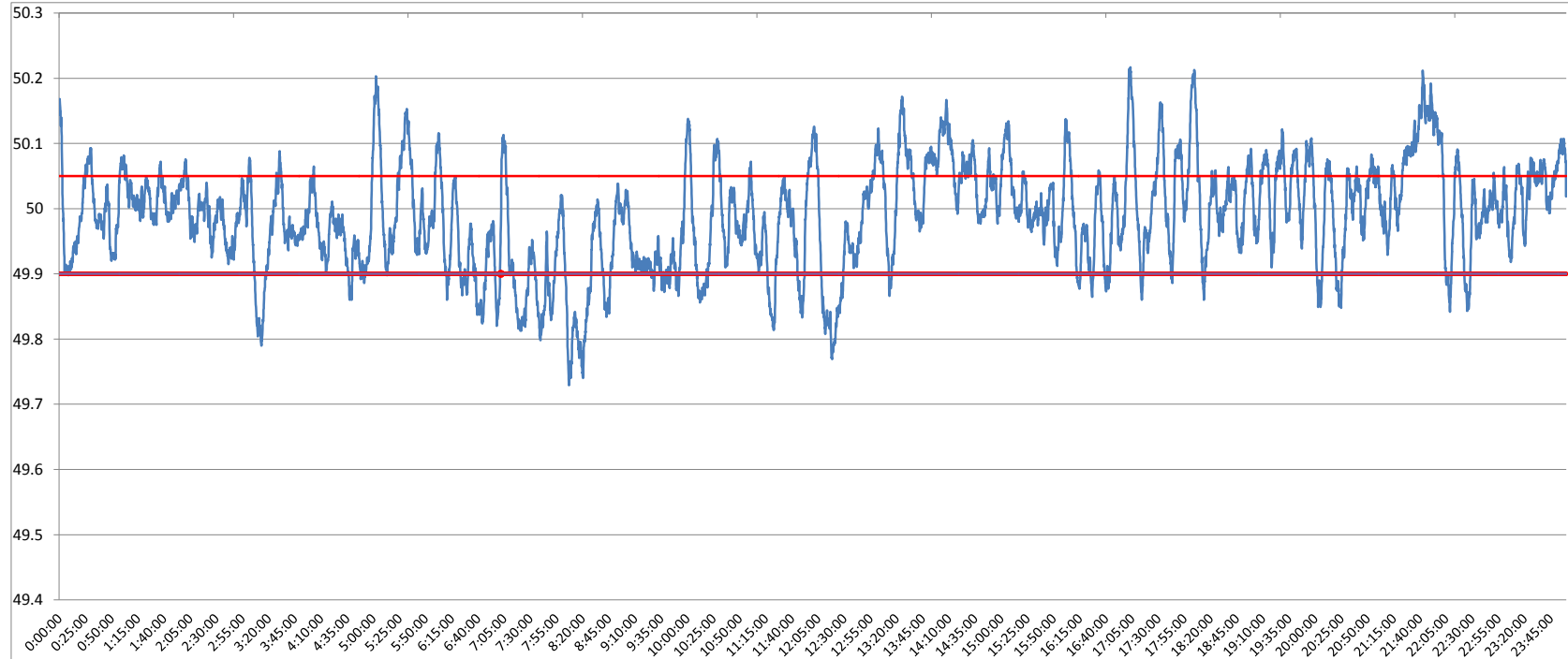


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SOMANAHALLI:Frequency

National Grid Frequency Profile for

01-Jan-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	13.96	38.94	1.12	12.84	40.97	37.80	6.99	63.72	99.72	30.00	15.60	44.02	31.06	22.33	0.28

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.067</b>	<b>Standard Deviation :</b>	<b>0.081</b>
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Instantaneous Frequency		
Max	50.22	17:03:20
Min	49.73	8:07:00

15 minute average Frequency		
Max	50.139	22:00:00
Min	49.827	8:30:00

No. of excursion above 50.03 Hz	92
No. of excursion below 49.97 Hz	91
No. of excursion above 50.00 Hz	81
No. of excursion below 50.00 Hz	86

Average time freq remains below 49.97 per excursion	0:06:10	Average time frequency remains above 50.03 per excursion	0:04:52
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