

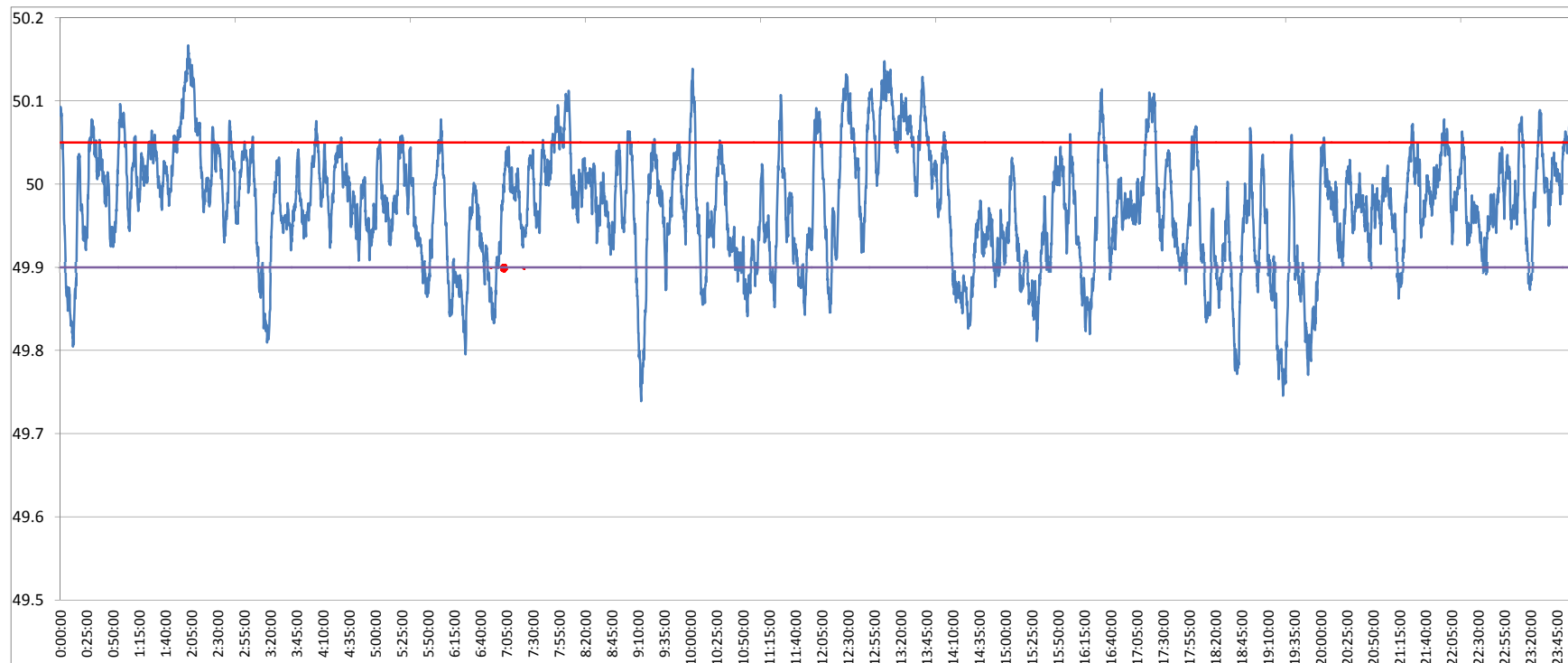


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

HISSAR:Frequency

National Grid Frequency Profile for

11-Jul-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	16.02	45.81	1.32	14.70	46.52	34.77	2.70	71.16	100.00	32.56	10.19	37.45	21.63	12.82	0.00

<b>Average Frequency</b>	<b>49.97</b>	<b>Frequency Variation Index :</b>	<b>0.057</b>	<b>Standard Deviation :</b>	<b>0.070</b>
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Instantaneous Frequency	
Max	50.17 2:01:40
Min	49.74 9:12:50

15 minute average Frequency	
Max	50.107 13:15:00
Min	49.816 19:30:00

No. of excursion above 50.03 Hz	113
No. of excursion below 49.97 Hz	144
No. of excursion above 50.00 Hz	145
No. of excursion below 50.00 Hz	143

Average time freq remains below 49.97 per excursion	0:04:35	Average time frequency remains above 50.03 per excursion	0:02:45
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