

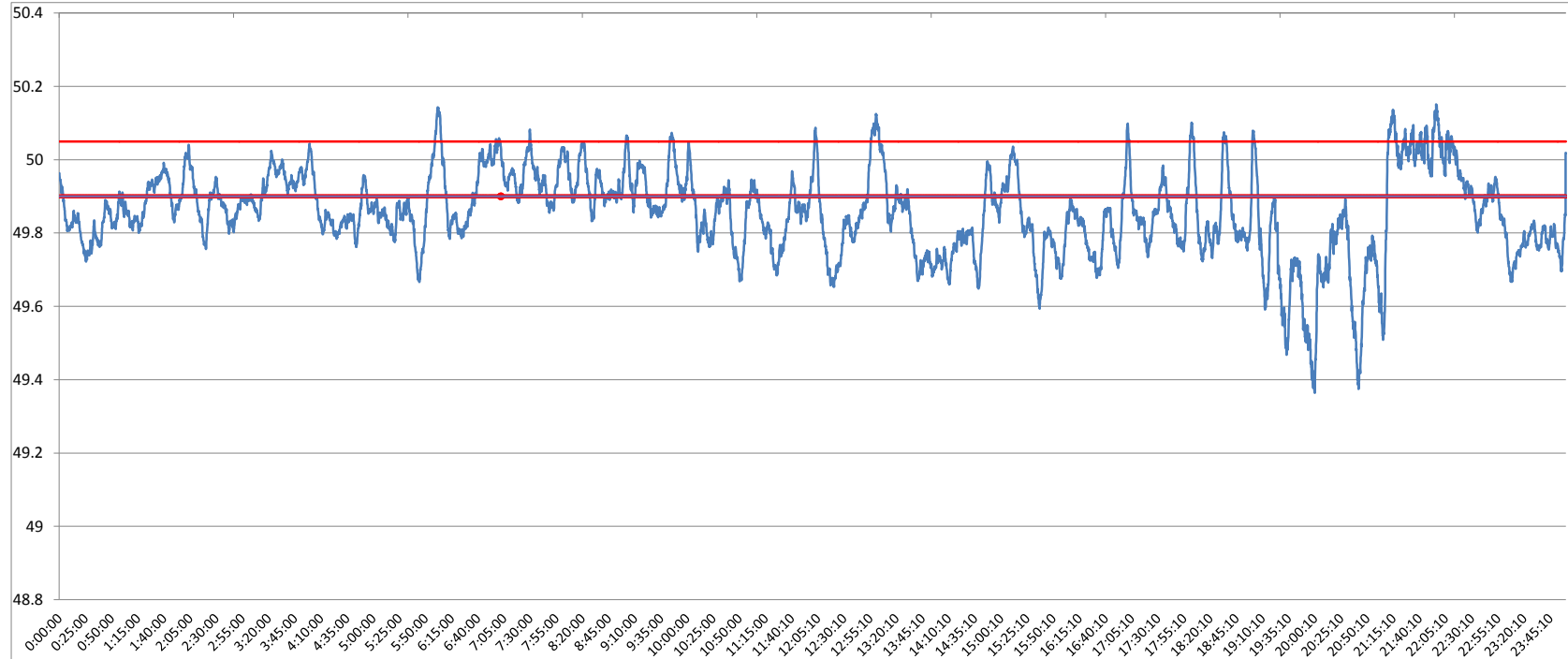


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SOMANAHALLI:Frequency

National Grid Frequency Profile for

04-Sep-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	7.89	65.61	83.29	20.80	36.92	23.21	10.32	0.86	30.16	92.11	10.01	3.44	10.83	6.70	4.22	0.00

<b>Average Frequency</b>	<b>49.86</b>	<b>Frequency Variation Index :</b>	<b>0.346</b>	<b>Standard Deviation :</b>	<b>0.117</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.15</b>	<b>21:56:10</b>
<b>Min</b>	<b>49.36</b>	<b>20:00:10</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.057</b>	<b>22:00:00</b>
<b>Min</b>	<b>49.525</b>	<b>20:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>44</b>
<b>No. of excursion below 49.97 Hz</b>	<b>40</b>
<b>No. of excursion above 50.00 Hz</b>	<b>36</b>
<b>No. of excursion below 50.00 Hz</b>	<b>31</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:29:59</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:12</b>
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