

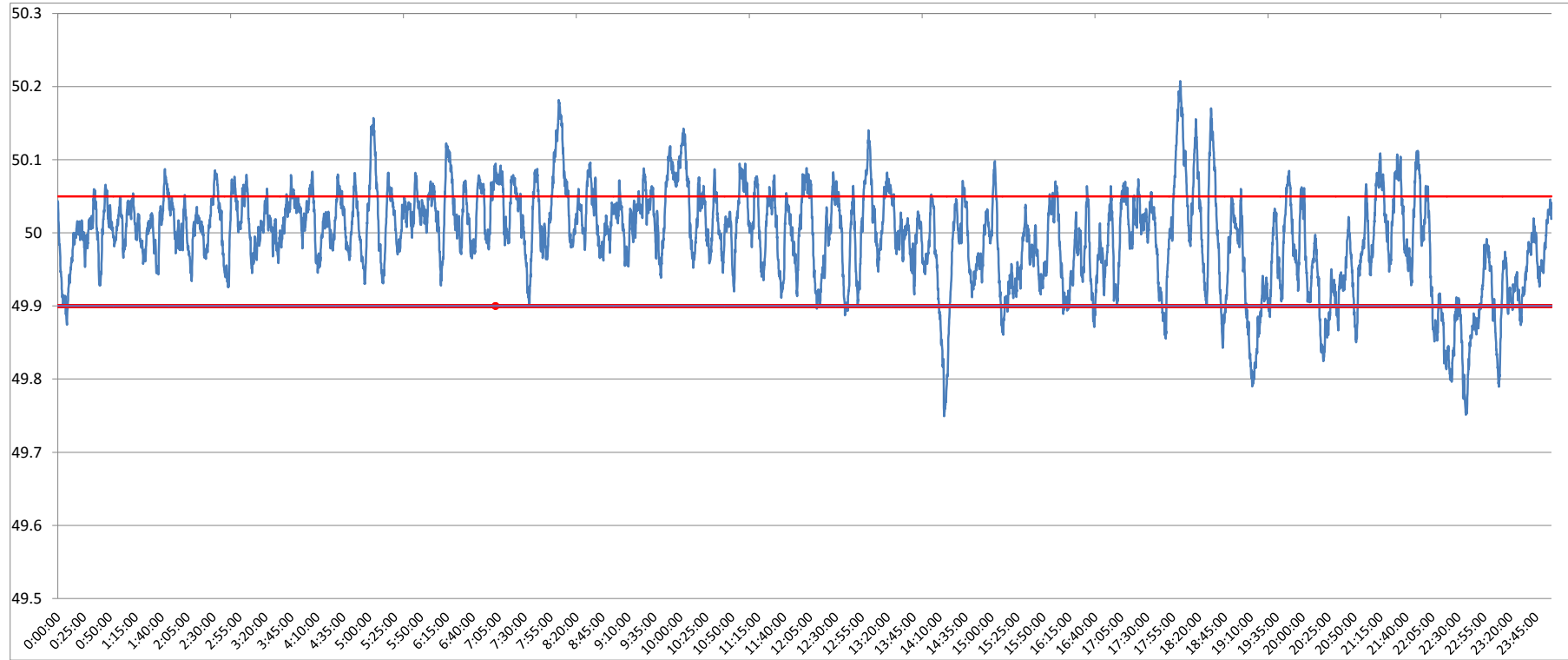


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

23-Apr-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	8.23	30.90	0.73	7.50	40.07	48.31	3.36	72.91	99.97	38.29	15.56	51.68	30.81	18.87	0.03

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.044</b>	<b>Standard Deviation :</b>	<b>0.066</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.21 18:02:10</b>
<b>Min</b>	<b>49.75 14:14:30</b>

<b>15 minute average Frequency</b>	
<b>Max</b>	<b>50.095 8:15:00</b>
<b>Min</b>	<b>49.833 22:45:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>147</b>
<b>No. of excursion below 49.97 Hz</b>	<b>104</b>
<b>No. of excursion above 50.00 Hz</b>	<b>159</b>
<b>No. of excursion below 50.00 Hz</b>	<b>158</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:04:17</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:01</b>
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