

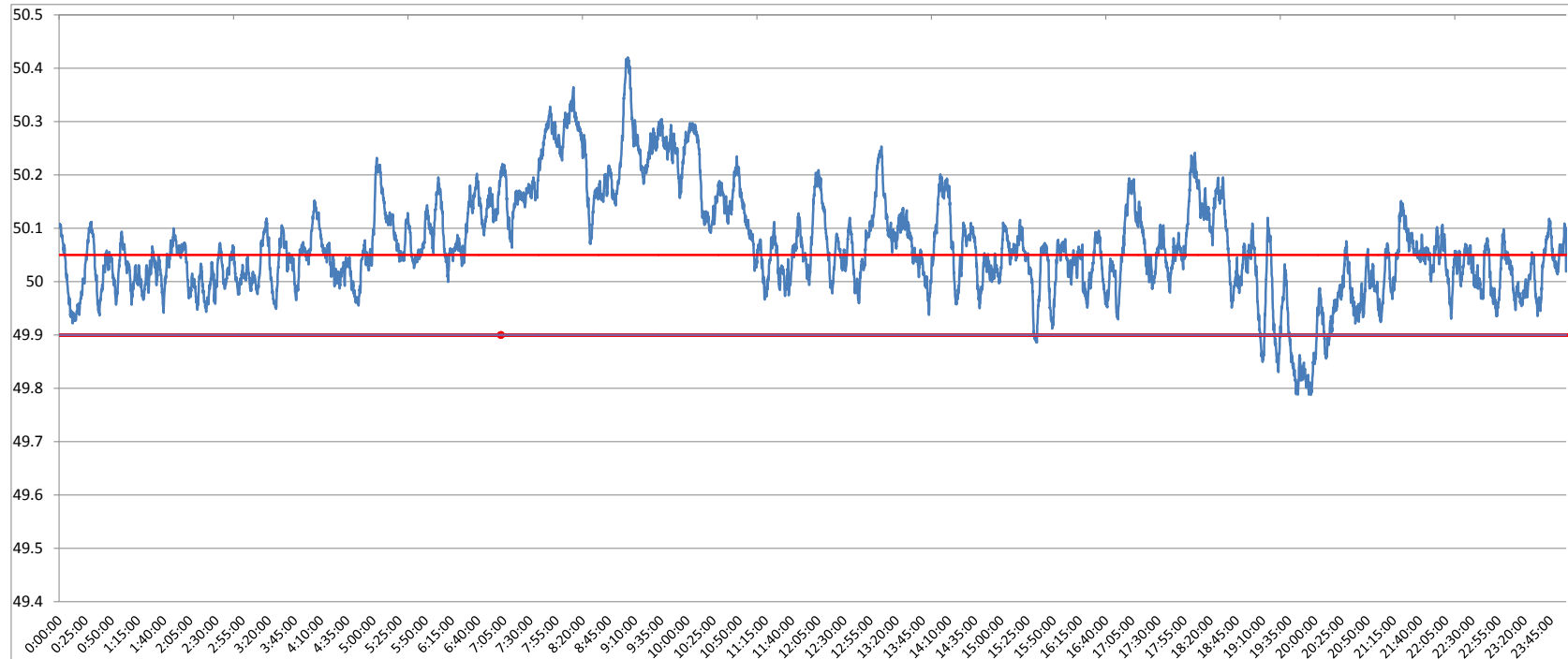


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

21-Jun-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	2.97	11.08	0.22	2.75	18.56	48.01	20.13	43.61	89.68	24.11	23.08	78.41	64.81	53.41	10.32

<b>Average Frequency</b>	<b>50.07</b>	<b>Frequency Variation Index :</b>	<b>0.141</b>	<b>Standard Deviation :</b>	<b>0.097</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.42 9:03:00</b>
<b>Min</b>	<b>49.79 19:56:00</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.326</b>	<b>9:15:00</b>
<b>Min</b>	<b>49.824</b>	<b>20:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>122</b>
<b>No. of excursion below 49.97 Hz</b>	<b>61</b>
<b>No. of excursion above 50.00 Hz</b>	<b>110</b>
<b>No. of excursion below 50.00 Hz</b>	<b>108</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:02:37</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:07:39</b>
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