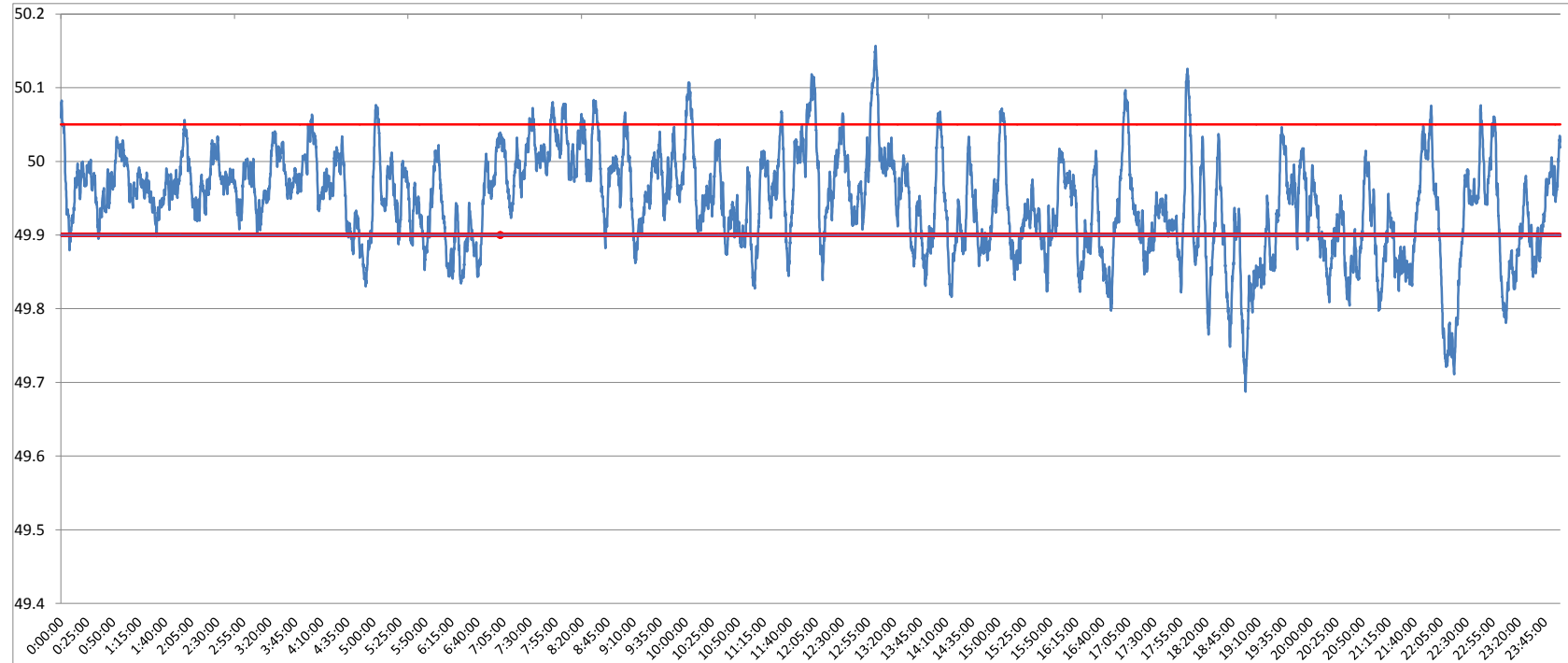




**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency National Grid Frequency Profile for 07-Sep-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	0.03	24.93	61.85	2.14	22.75	54.05	20.25	0.76	69.75	99.97	28.84	4.61	20.93	9.31	5.32	0.00

<b>Average Frequency</b>	<b>49.95</b>	<b>Frequency Variation Index :</b>	<b>0.075</b>	<b>Standard Deviation :</b>	<b>0.068</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.16 13:02:30</b>
<b>Min</b>	<b>49.69 18:57:40</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.045</b>	<b>13:15:00</b>
<b>Min</b>	<b>49.819</b>	<b>22:15:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>60</b>
<b>No. of excursion below 49.97 Hz</b>	<b>140</b>
<b>No. of excursion above 50.00 Hz</b>	<b>109</b>
<b>No. of excursion below 50.00 Hz</b>	<b>105</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:06:22</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:14</b>
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