

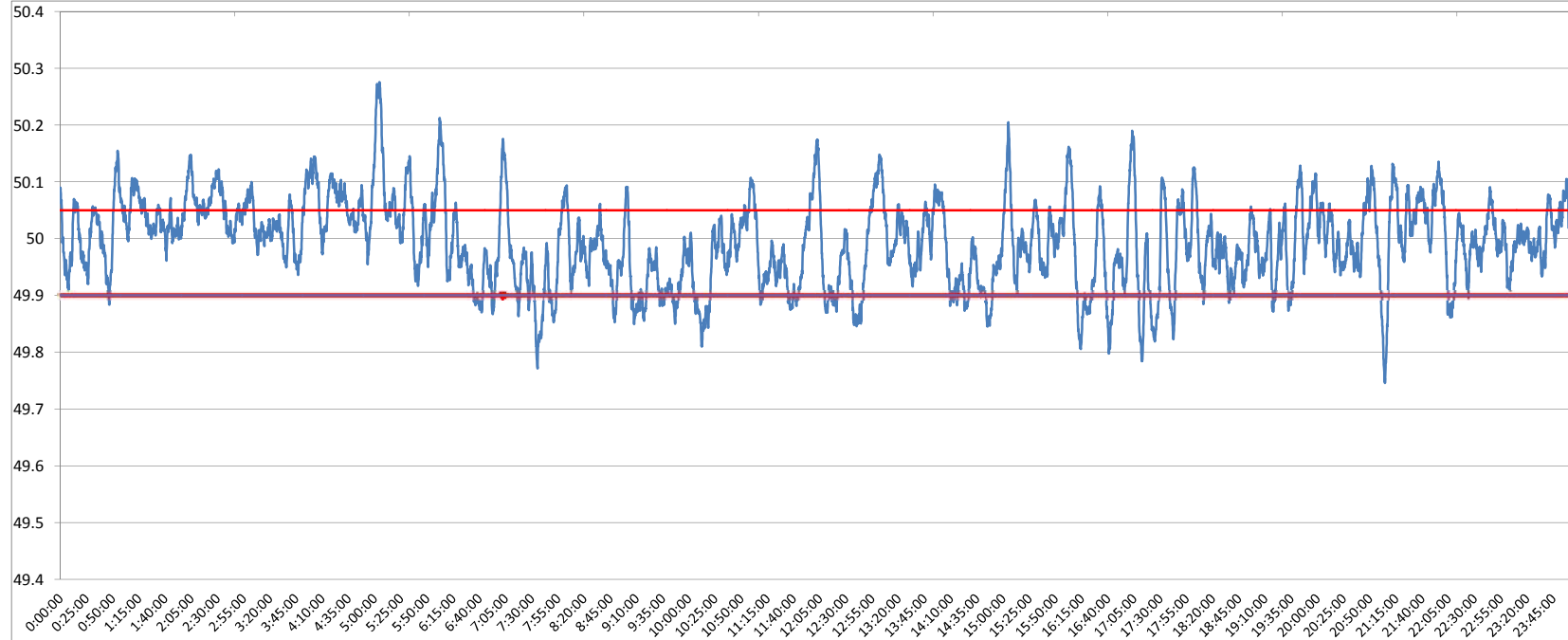


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

19-Dec-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	12.43	37.87	0.38	12.05	39.94	40.34	6.81	64.42	99.51	30.01	15.94	47.58	32.12	23.15	0.49

<b>Average Frequency</b>		<b>49.99</b>	<b>Frequency Variation Index :</b>		<b>0.058</b>	<b>Standard Deviation :</b>		<b>0.076</b>
<b>Instantaneous Frequency</b>			<b>15 minute average Frequency</b>			<b>No. of excursion above 50.03 Hz</b>		<b>108</b>
<b>Max</b>	<b>50.28</b>	<b>5:05:00</b>	<b>Max</b>	<b>50.150</b>	<b>5:15:00</b>	<b>No. of excursion below 49.97 Hz</b>		<b>132</b>
<b>Min</b>	<b>49.75</b>	<b>21:04:40</b>	<b>Min</b>	<b>49.878</b>	<b>7:45:00</b>	<b>No. of excursion above 50.00 Hz</b>		<b>118</b>
<b>Average time freq remains below 49.97 per excursion</b>		<b>0:04:08</b>	<b>Average time frequency remains above 50.03 per excursion</b>		<b>0:04:17</b>	<b>No. of excursion below 50.00 Hz</b>		<b>117</b>