

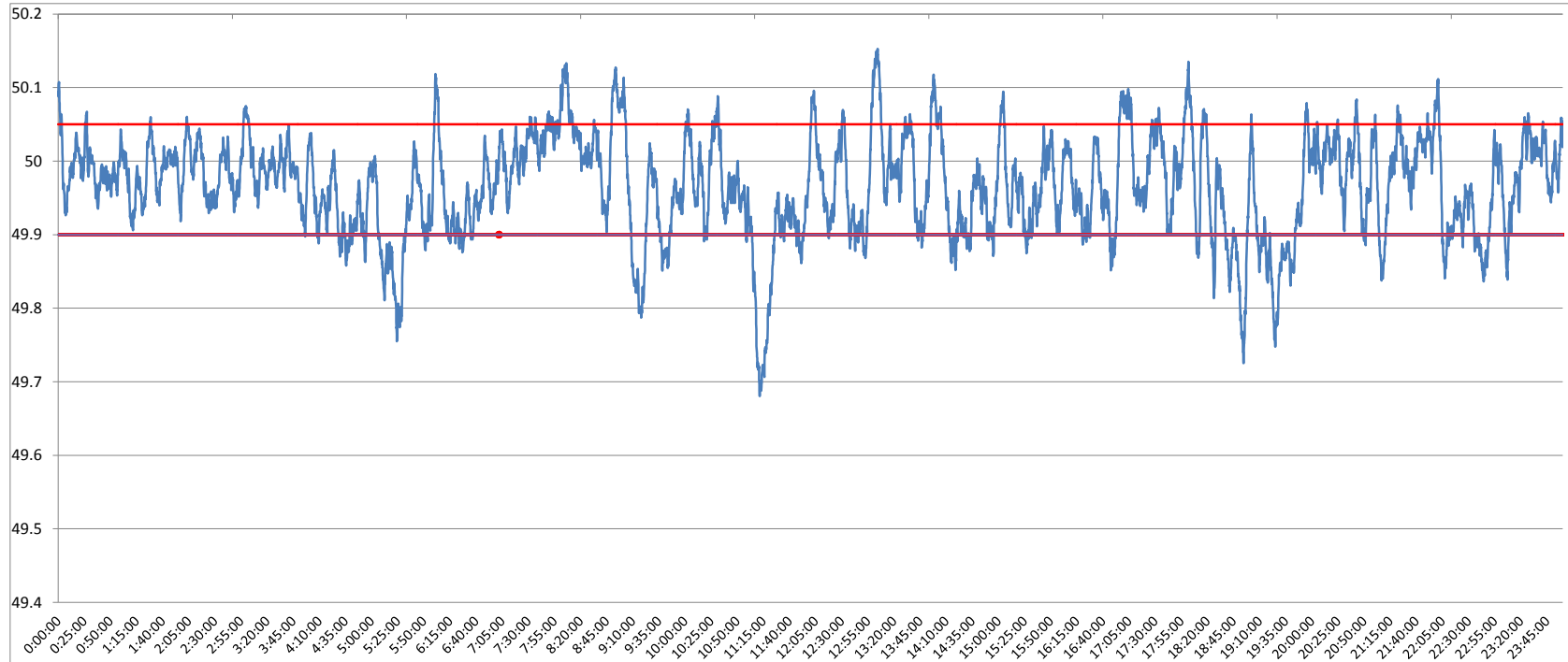


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

19-Aug-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	0.15	16.48	50.66	1.97	14.36	50.35	31.66	1.52	74.34	99.85	31.85	7.70	33.13	17.49	9.18	0.00

<b>Average Frequency</b>		<b>49.97</b>	<b>Frequency Variation Index :</b>		<b>0.060</b>	<b>Standard Deviation :</b>		<b>0.069</b>
<b>Instantaneous Frequency</b>			<b>15 minute average Frequency</b>			<b>No. of excursion above 50.03 Hz</b>		<b>111</b>
<b>Max</b>	<b>50.15</b>	<b>13:04:10</b>	<b>Max</b>	<b>50.080</b>	<b>8:15:00</b>	<b>No. of excursion below 49.97 Hz</b>		<b>113</b>
<b>Min</b>	<b>49.68</b>	<b>11:11:30</b>	<b>Min</b>	<b>49.804</b>	<b>11:15:00</b>	<b>No. of excursion above 50.00 Hz</b>		<b>137</b>
<b>Average time freq remains below 49.97 per excursion</b>		<b>0:06:27</b>	<b>Average time frequency remains above 50.03 per excursion</b>		<b>0:02:16</b>	<b>No. of excursion below 50.00 Hz</b>		<b>137</b>