

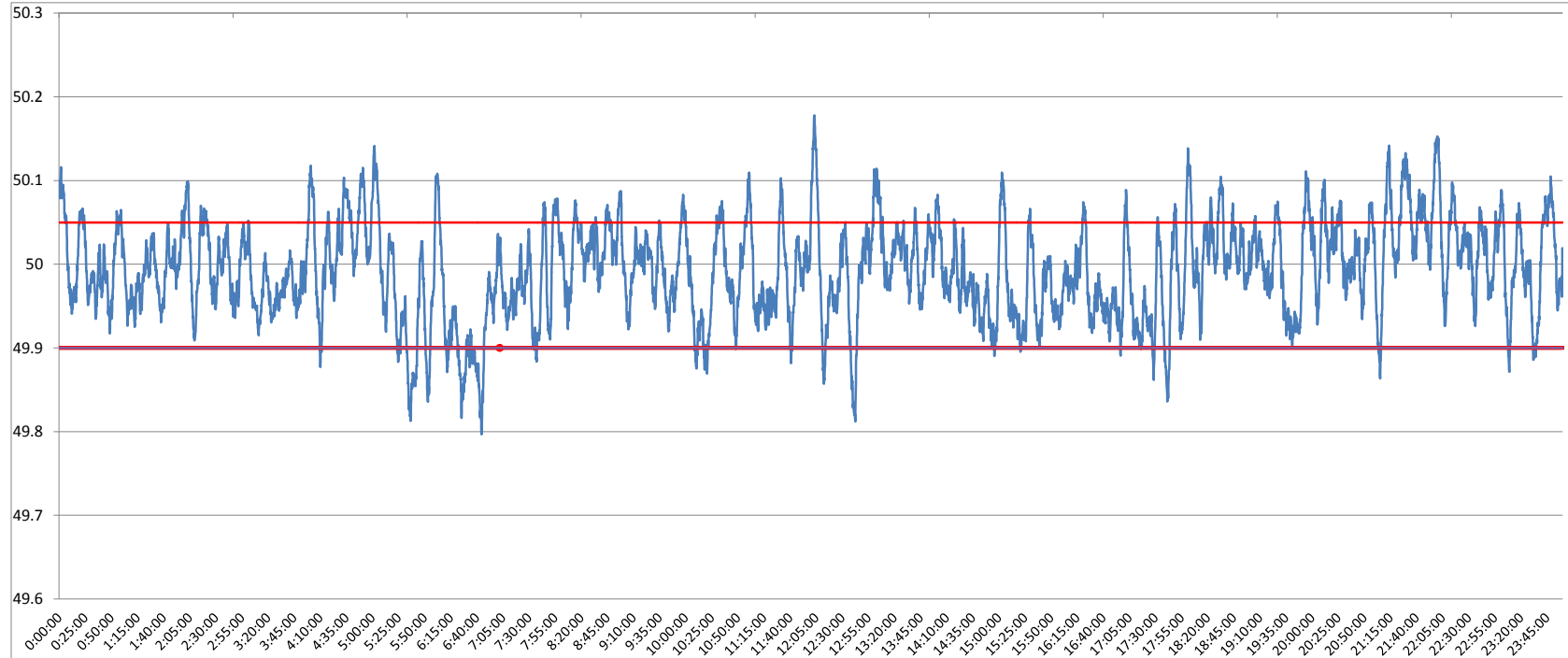


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

11-Nov-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	5.32	35.64	0.01	5.31	49.81	42.21	2.65	78.53	100.00	38.26	13.55	44.75	26.10	16.15	0.00

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.034</b>	<b>Standard Deviation :</b>	<b>0.058</b>
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Instantaneous Frequency		
<b>Max</b>	<b>50.18</b>	<b>12:03:10</b>
<b>Min</b>	<b>49.80</b>	<b>6:44:30</b>

15 minute average Frequency		
<b>Max</b>	<b>50.066</b>	<b>22:00:00</b>
<b>Min</b>	<b>49.877</b>	<b>6:45:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>135</b>
<b>No. of excursion below 49.97 Hz</b>	<b>141</b>
<b>No. of excursion above 50.00 Hz</b>	<b>158</b>
<b>No. of excursion below 50.00 Hz</b>	<b>159</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:03:38</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:02:47</b>
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