

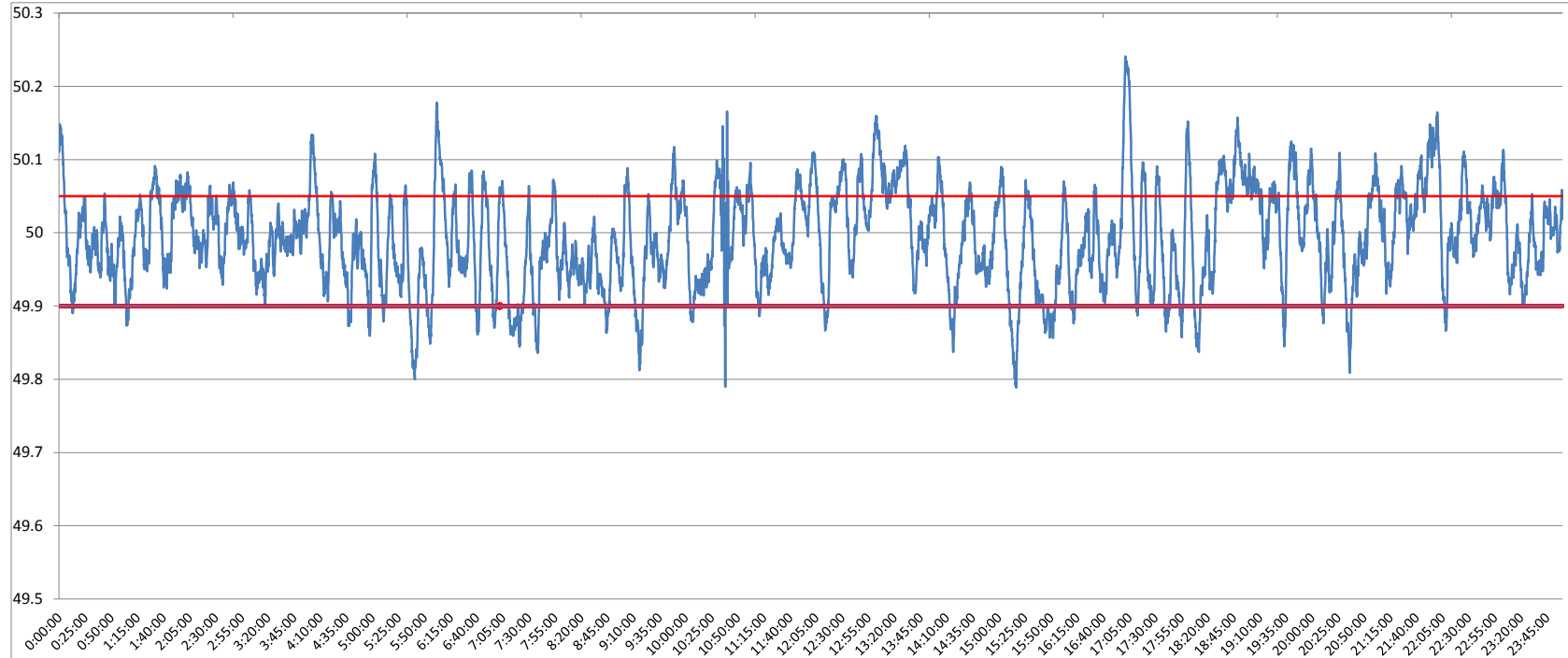


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

SLPR4:Frequency

National Grid Frequency Profile for

20-Dec-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	8.63	38.56	0.08	8.55	46.11	40.68	4.25	69.77	99.68	29.63	17.12	45.20	31.81	21.60	0.32

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.045</b>	<b>Standard Deviation :</b>	<b>0.067</b>
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<b>Instantaneous Frequency</b>	
<b>Max</b>	<b>50.24 17:01:10</b>
<b>Min</b>	<b>49.79 15:16:30</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.099</b>	<b>13:15:00</b>
<b>Min</b>	<b>49.905</b>	<b>16:00:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>121</b>
<b>No. of excursion below 49.97 Hz</b>	<b>141</b>
<b>No. of excursion above 50.00 Hz</b>	<b>137</b>
<b>No. of excursion below 50.00 Hz</b>	<b>136</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:03:56</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:03:47</b>
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