

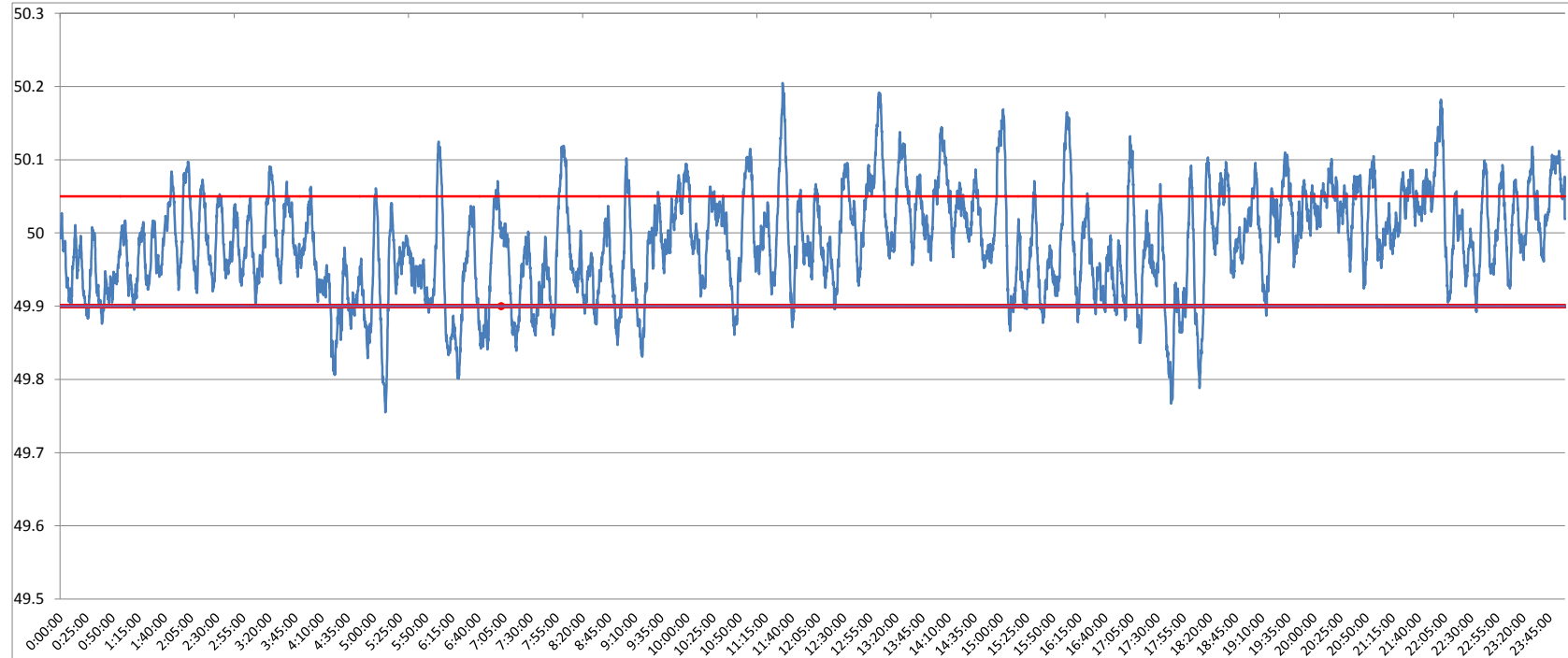


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

400KV KALWA:Frequency

National Grid Frequency Profile for

10-Nov-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	10.30	40.53	0.44	9.86	46.38	38.73	4.57	70.09	99.98	30.79	15.63	42.30	28.68	19.61	0.02

<b>Average Frequency</b>	<b>49.99</b>	<b>Frequency Variation Index :</b>	<b>0.051</b>	<b>Standard Deviation :</b>	<b>0.070</b>
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<b>Instantaneous Frequency</b>		
<b>Max</b>	<b>50.21</b>	<b>11:31:20</b>
<b>Min</b>	<b>49.76</b>	<b>5:11:00</b>

<b>15 minute average Frequency</b>		
<b>Max</b>	<b>50.082</b>	<b>0:00:00</b>
<b>Min</b>	<b>49.876</b>	<b>4:30:00</b>

<b>No. of excursion above 50.03 Hz</b>	<b>102</b>
<b>No. of excursion below 49.97 Hz</b>	<b>98</b>
<b>No. of excursion above 50.00 Hz</b>	<b>87</b>
<b>No. of excursion below 50.00 Hz</b>	<b>86</b>

<b>Average time freq remains below 49.97 per excursion</b>	<b>0:05:57</b>	<b>Average time frequency remains above 50.03 per excursion</b>	<b>0:04:03</b>
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