

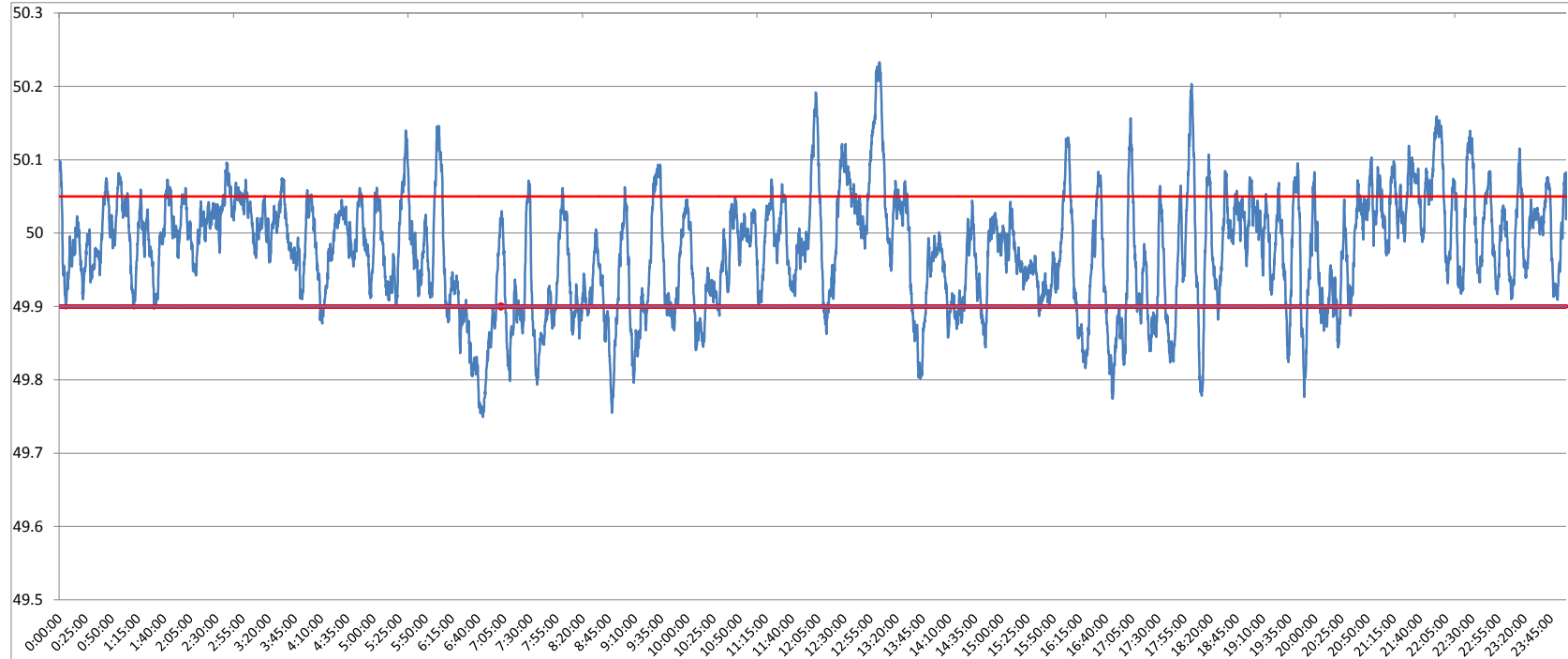


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

03-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	17.42	44.50	1.12	16.30	41.12	37.40	3.70	67.13	99.64	30.17	11.45	41.41	25.32	15.45	0.36

<b>Average Frequency</b>	<b>49.98</b>	<b>Frequency Variation Index :</b>	<b>0.065</b>	<b>Standard Deviation :</b>	<b>0.077</b>
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Instantaneous Frequency		
Max	50.23	13:03:40
Min	49.75	6:44:40

15 minute average Frequency		
Max	50.105	13:15:00
Min	49.809	6:45:00

No. of excursion above 50.03 Hz	130
No. of excursion below 49.97 Hz	114
No. of excursion above 50.00 Hz	132
No. of excursion below 50.00 Hz	132

Average time freq remains below 49.97 per excursion	0:05:37	Average time frequency remains above 50.03 per excursion	0:02:48
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