

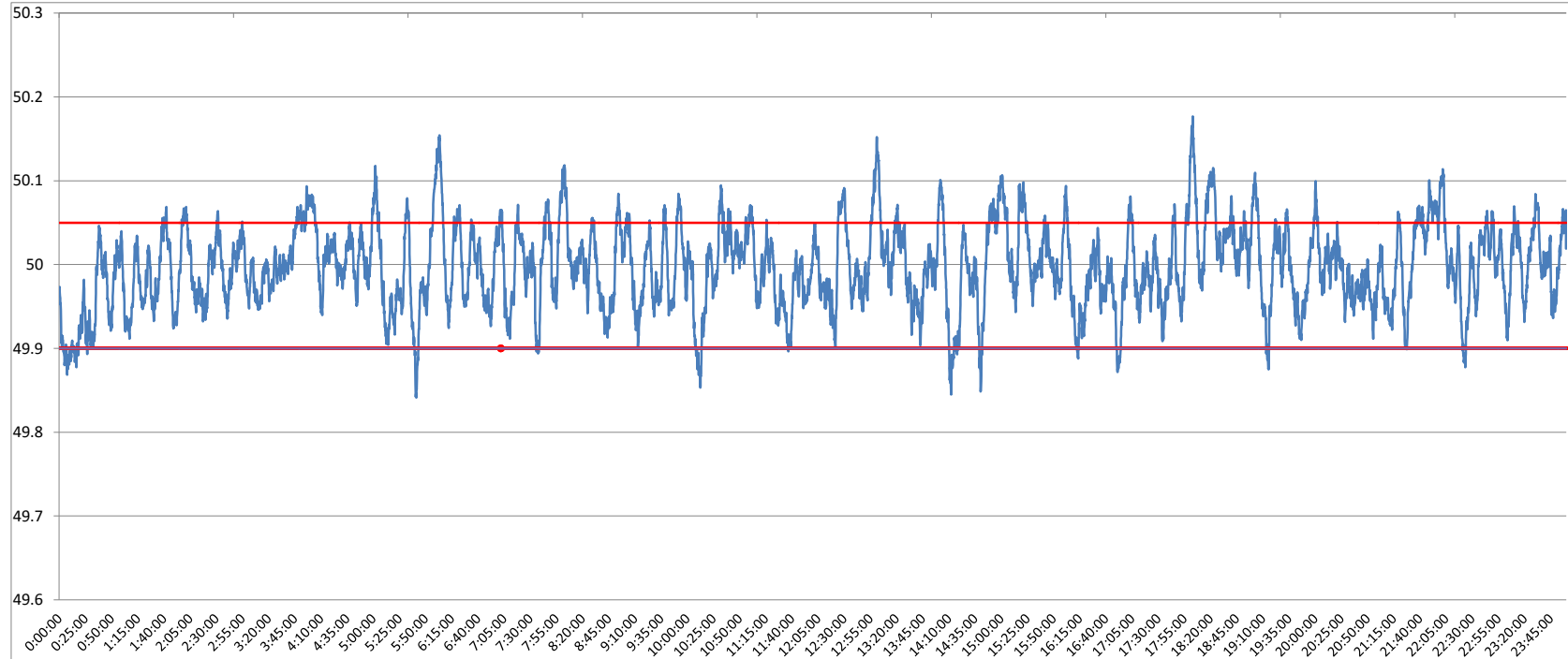


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

DURGAPUR:Frequency

National Grid Frequency Profile for

20-Jul-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	2.89	31.01	0.00	2.89	50.01	45.30	1.79	82.25	100.00	43.55	13.11	47.05	25.44	14.86	0.00

<b>Average Frequency</b>	<b>50.00</b>	<b>Frequency Variation Index :</b>	<b>0.025</b>	<b>Standard Deviation :</b>	<b>0.050</b>
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Instantaneous Frequency		
Max	50.18	18:03:10
Min	49.84	5:41:10

15 minute average Frequency		
Max	50.067	18:30:00
Min	49.902	0:15:00

No. of excursion above 50.03 Hz	128
No. of excursion below 49.97 Hz	164
No. of excursion above 50.00 Hz	187
No. of excursion below 50.00 Hz	188

Average time freq remains below 49.97 per excursion	0:02:43	Average time frequency remains above 50.03 per excursion	0:02:52
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