

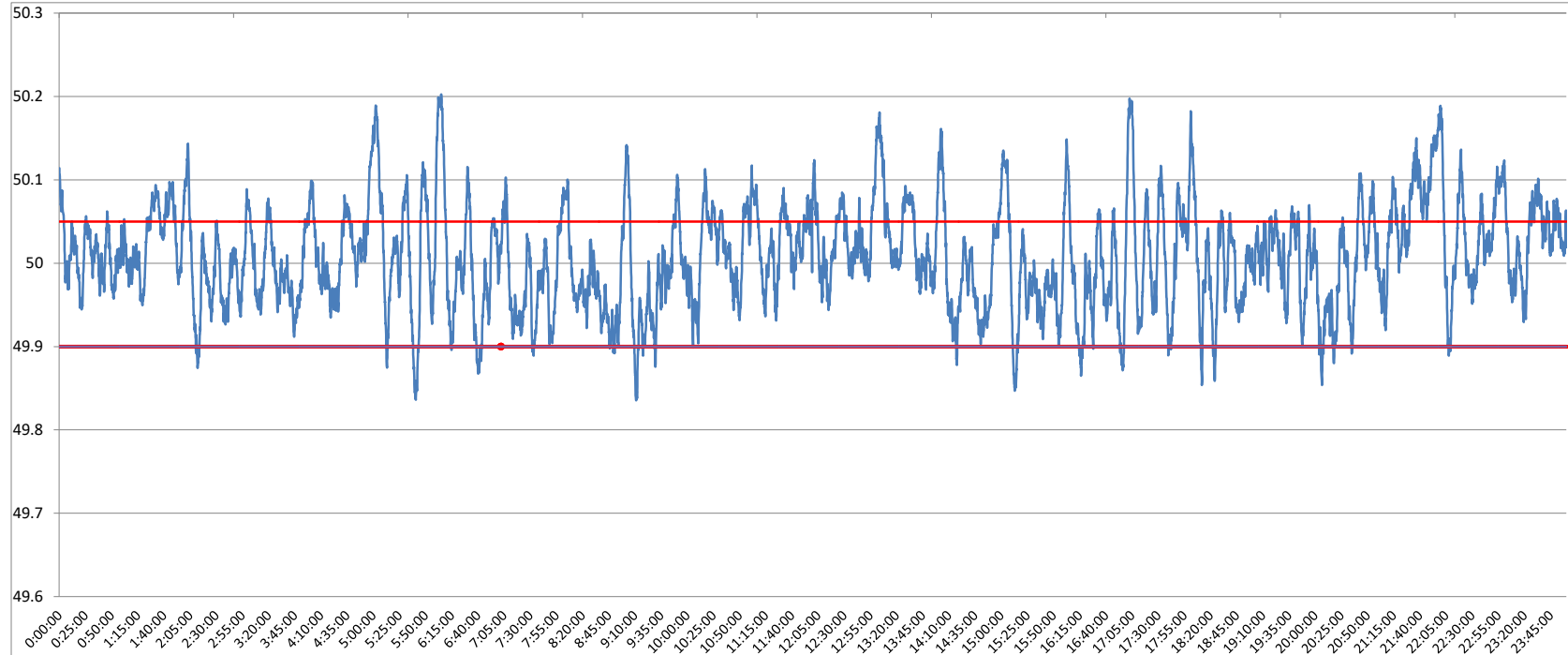


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI

PATNA:Frequency

National Grid Frequency Profile for

22-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	3.25	28.33	0.00	3.25	42.86	47.28	6.59	72.21	99.98	36.45	18.01	53.78	35.22	24.54	0.02

Average Frequency		50.01	Frequency Variation Index :		0.039	Standard Deviation :		0.062	
Instantaneous Frequency			15 minute average Frequency			No. of excursion above 50.03 Hz		127	
Max	50.2	6:05:00	Max	50.125	22:00:00	No. of excursion below 49.97 Hz		146	
Min	49.84	9:11:10	Min	49.930	9:30:00	No. of excursion above 50.00 Hz		163	
Average time freq remains below 49.97 per excursion			0:02:48	Average time frequency remains above 50.03 per excursion		0:04:00	No. of excursion below 50.00 Hz		161