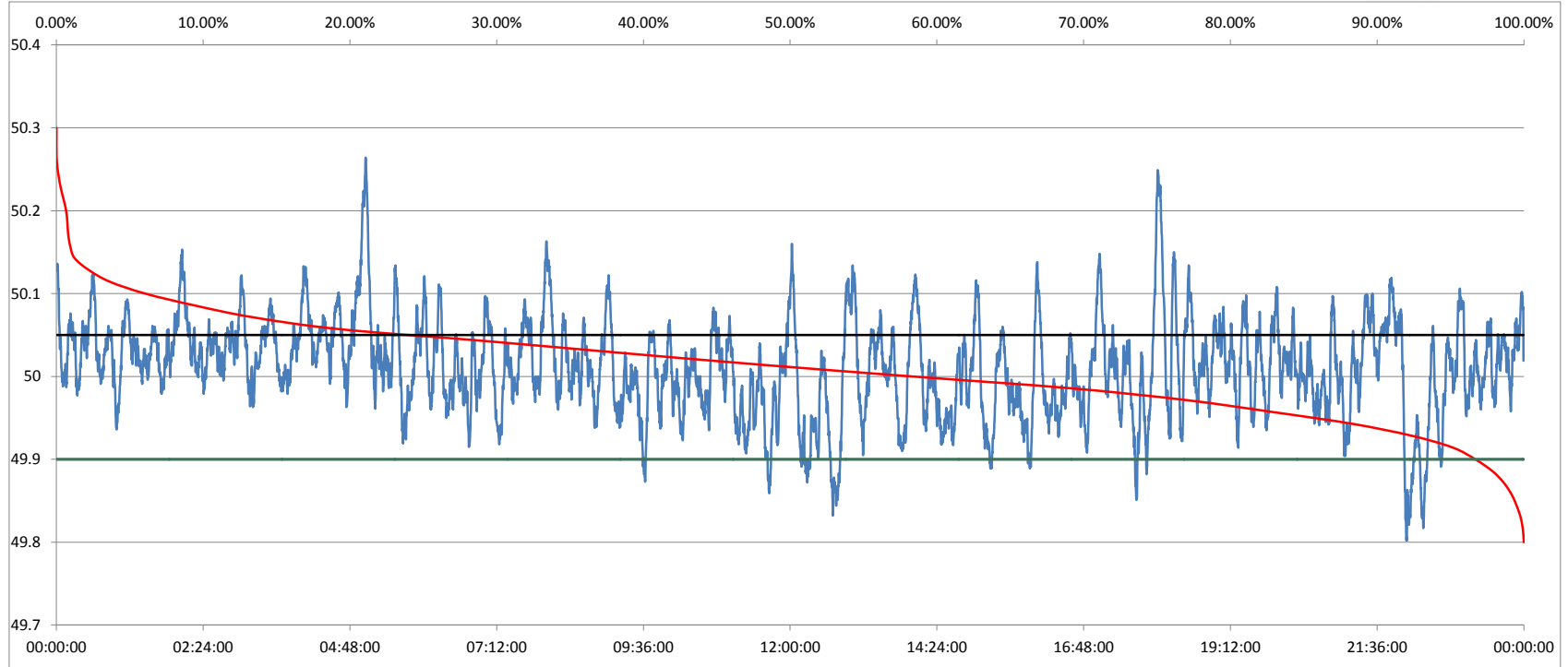


**POWER SYSTEM OPERATION CORPORATION LIMITED**  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



SOMANAHALLI:Frequency

National Grid Frequency Profile for 15-Feb-16



<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
0.00	3.23	22.14	0.00	3.23	37.14	53.38	5.59	72.78	99.34	40.94	18.54	58.30	36.92	23.99	0.66

Average Frequency	50.01	Frequency Variation Index :	0.036	Standard Deviation :	0.059
-------------------	-------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.26	5:03:20
Min	49.80	22:04:50

15 minute average Frequency		
Max	50.112	5:15:00
Min	49.893	22:15:00

No. of excursion above 50.03 Hz	144
No. of excursion below 49.97 Hz	99
No. of excursion above 50.00 Hz	118
No. of excursion below 50.00 Hz	126

Average time freq remains below 49.97 per excursion	0:03:13	Average time frequency remains above 50.03 per excursion	0:03:42
---	---------	--	---------