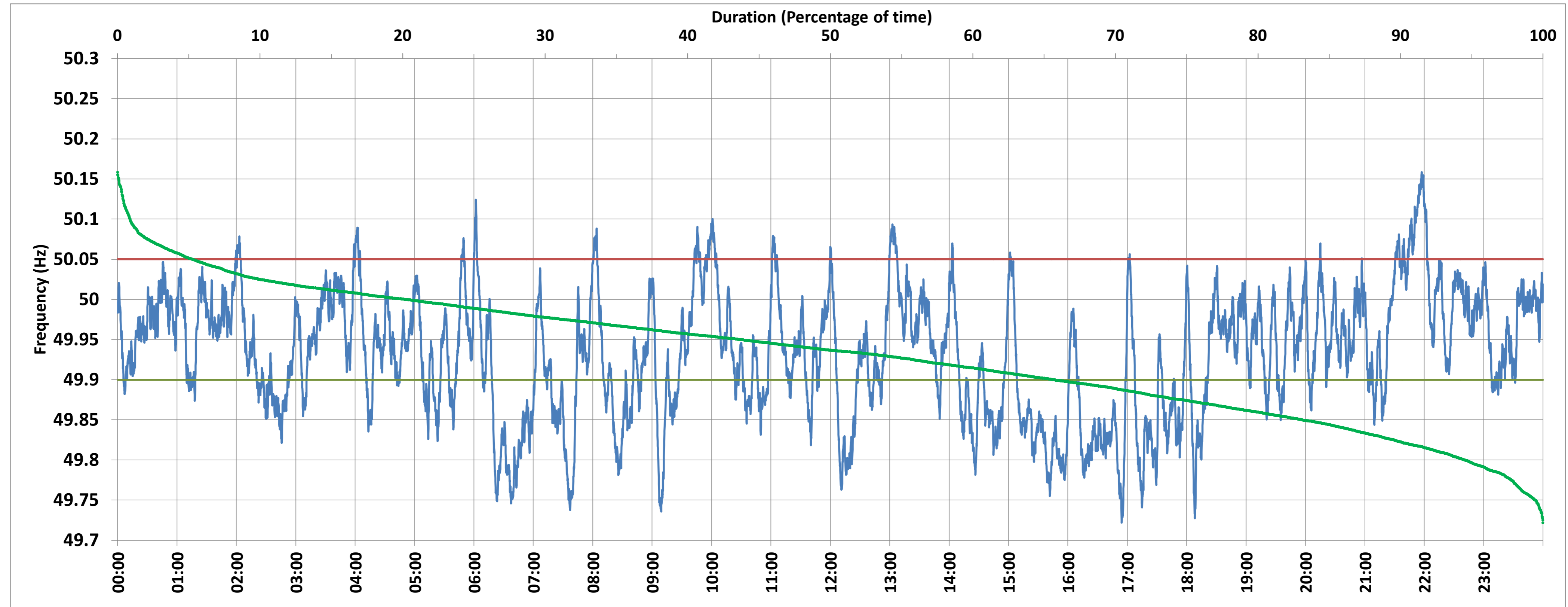




NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for 13-Dec-2017



<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	34.25	66.12	5.46	28.78	45.49	19.38	0.89	60.46	100.00	25.15	4.40	20.25	8.73	5.29	0.00

Average Frequency :	49.931	Frequency Variation Index :	0.108	Standard Deviation :	0.078
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Instantaneous Frequency		
Max	50.159	21:57:20
Min	49.722	16:54:20

15 minute Average Frequency		
Max	50.111	22:00:00
Min	49.785	6:45:00

No. of excursions above 50.03 Hz	52
No. of excursions below 49.97 Hz	123
No. of excursions above 50.00 Hz	122
No. of excursions below 50.00 Hz	123

Average time freq remains below 49.97 per excursion	0:07:44	Average time frequency remains above 50.03 per excursion	0:02:25
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