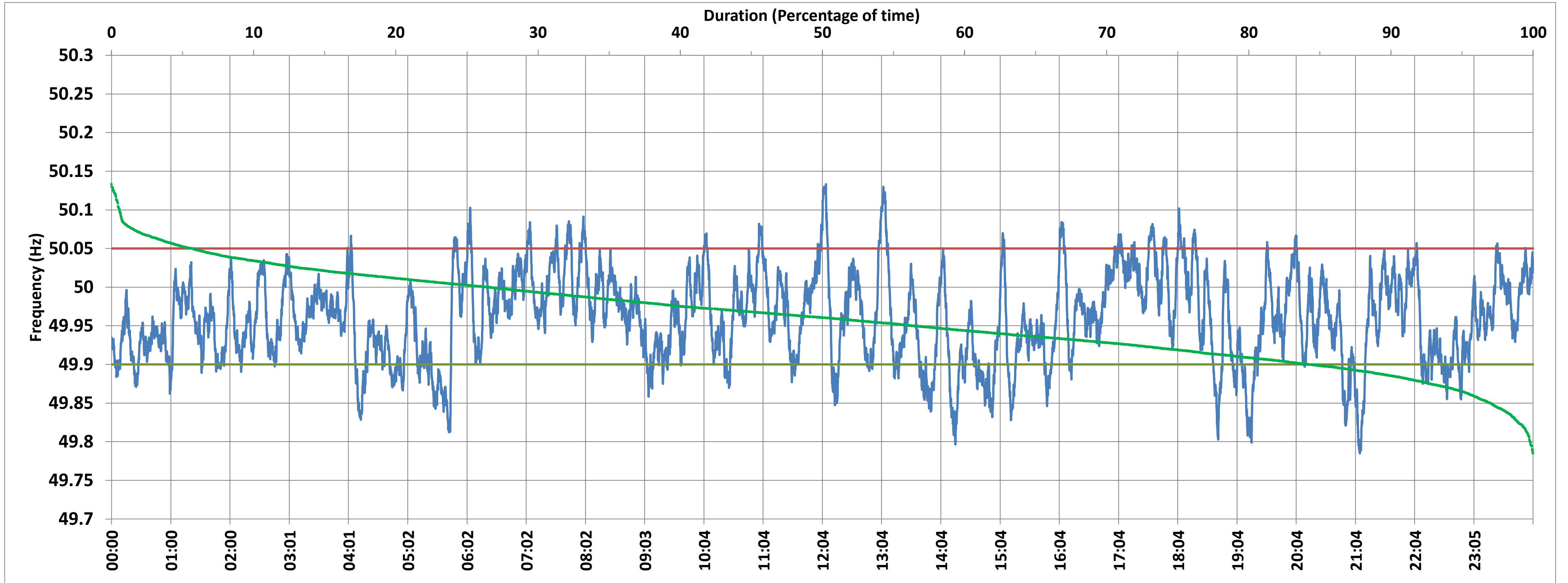




NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for 4-May-2018



<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	15.83	56.39	0.21	15.63	57.70	25.90	0.57	78.46	100.00	32.22	5.15	26.37	11.39	5.71	0.00

Average Frequency :	49.960	Frequency Variation Index :	0.050	Standard Deviation :	0.058	Mileage	46.53
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Instantaneous Frequency		
Max	50.133	12:08:20
Min	49.785	21:09:10

15 minute Average Frequency		
Max	50.035	17:15:00
Min	49.866	5:45:00

No. of excursions above 50.03 Hz	85
No. of excursions below 49.97 Hz	154
No. of excursions above 50.00 Hz	121
No. of excursions below 50.00 Hz	122

% time <49.95	43.69
% time between 49.95 to 50.05	50.60

Average time freq remains below 49.97 per excursion	0:05:16	Average time frequency remains above 50.03 per excursion	0:01:56
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