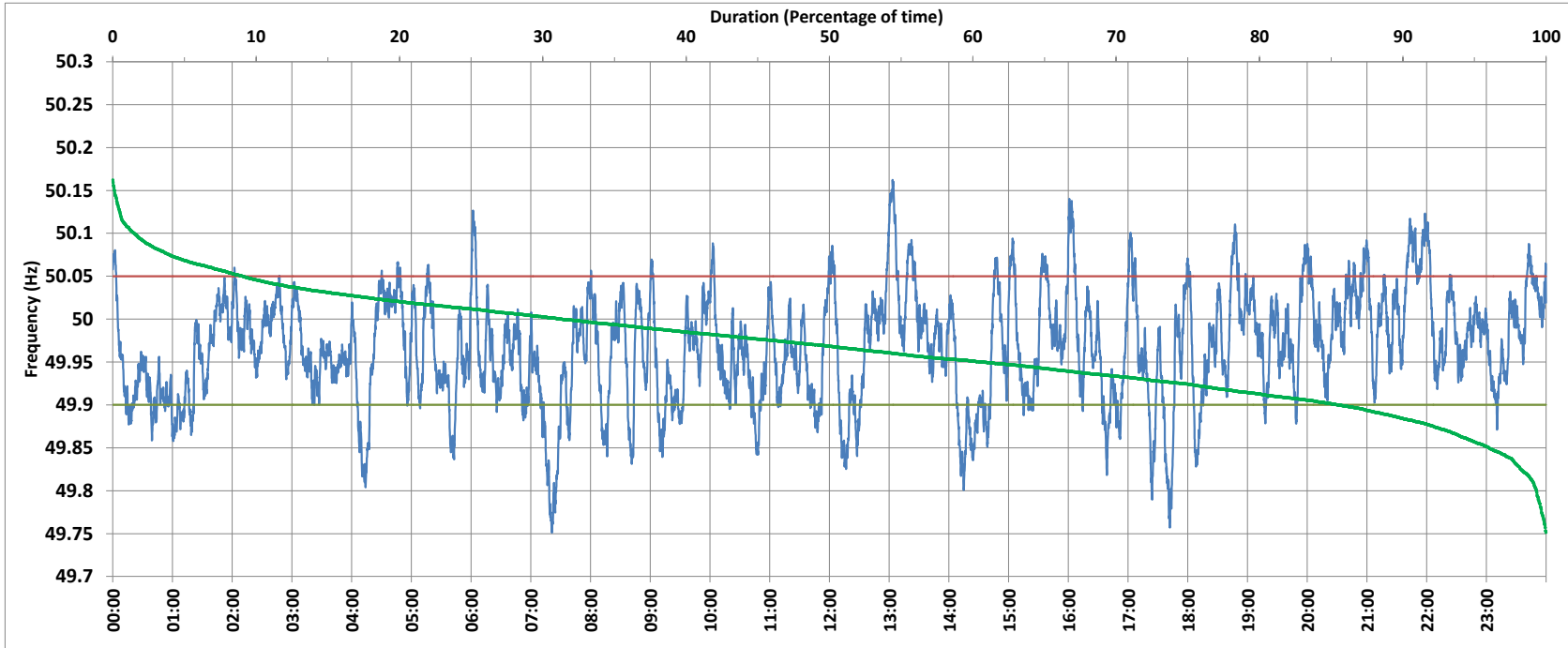


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for 9-Nov-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	14.47	50.76	0.67	13.80	54.26	29.76	1.52	76.47	100.00	33.77	7.60	31.25	15.46	9.06	0.00

Average Frequency :	49.966	Frequency Variation Index :	0.052	Standard Deviation :	0.064
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Instantaneous Frequency		
Max	50.162	13:03:20
Min	49.751	7:21:10

15 minute Average Frequency		
Max	50.080	22:00:00
Min	49.809	7:30:00

No. of excursions above 50.03 Hz	99
No. of excursions below 49.97 Hz	130
No. of excursions above 50.00 Hz	135
No. of excursions below 50.00 Hz	136

Average time freq remains below 49.97 per excursion	0:05:37	Average time frequency remains above 50.03 per excursion	0:02:15
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