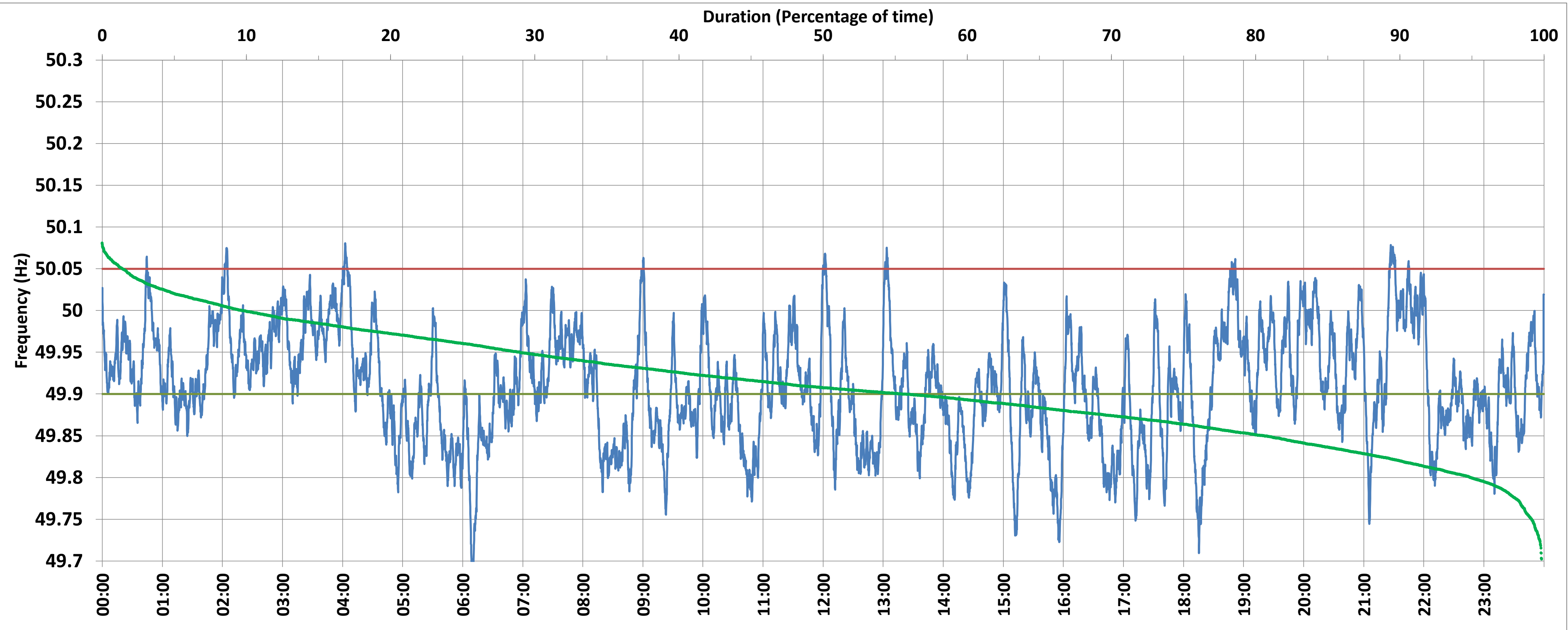


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



NTPC-VINDHYACHAL:Frequency

National Grid Frequency Profile for 6-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
0.13	44.51	78.98	4.98	39.41	45.81	9.68	0.00	54.09	99.87	17.64	1.41	9.65	3.38	1.40	0.00

Average Frequency :	49.910	Frequency Variation Index :	0.128	Standard Deviation :	0.068
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency			15 minute Average Frequency			No. of excursions above 50.03 Hz		37
Max	50.081	4:02:40	Max	50.013	21:45:00	No. of excursions below 49.97 Hz		97
Min	49.670	6:09:30	Min	49.785	16:00:00	No. of excursions above 50.00 Hz		67
						No. of excursions below 50.00 Hz		65

Average time freq remains below 49.97 per excursion	0:11:44	Average time frequency remains above 50.03 per excursion	0:01:19
---	---------	--	---------