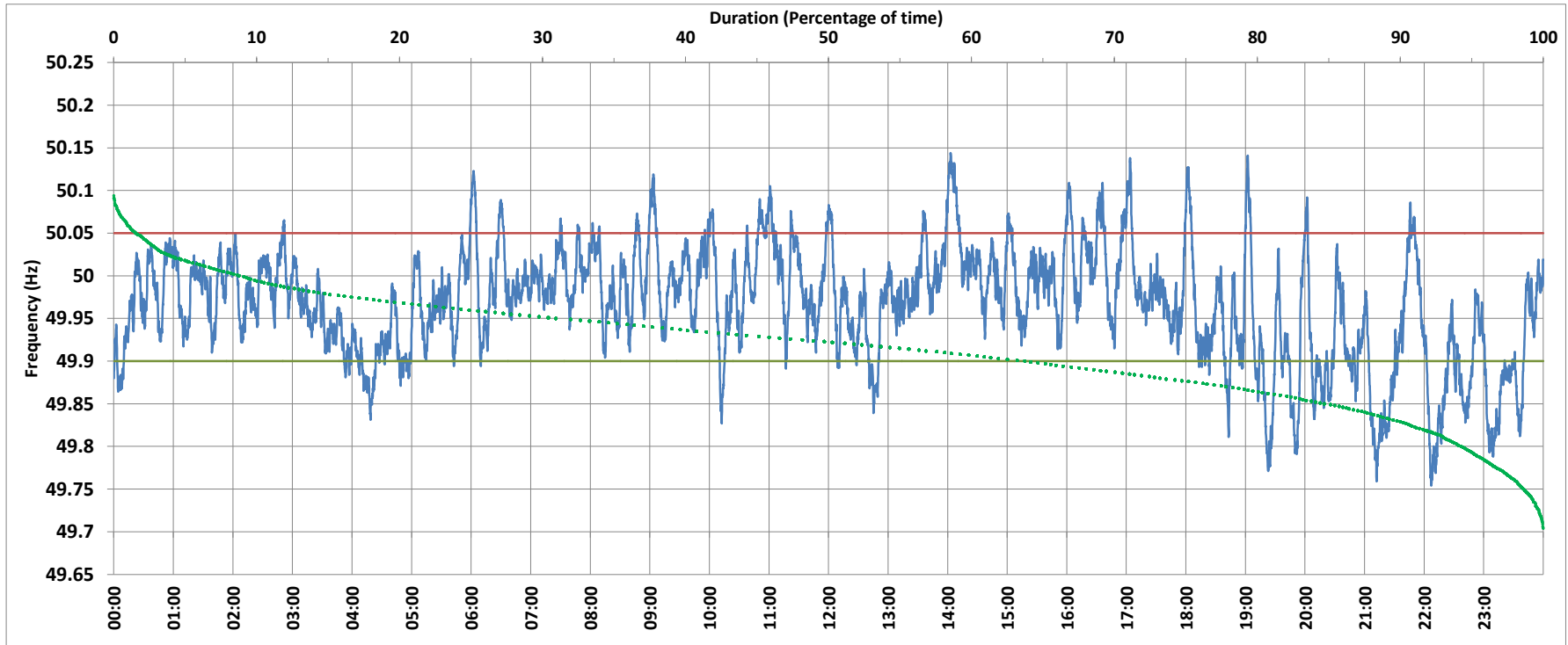


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 6/Aug/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	14.90	47.67	1.33	13.56	53.14	30.37	1.60	76.34	100.00	38.03	7.56	30.91	14.29	8.76	0.00

Average Frequency :	49.967	Frequency Variation Index :	0.054	Standard Deviation :	0.066
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency	
Max	50.144 14:03:00
Min	49.754 22:07:00

15 minute Average Frequency	
Max	50.088 14:15:00
Min	49.822 22:15:00

No. of excursions above 50.03 Hz	73
No. of excursions below 49.97 Hz	150
No. of excursions above 50.00 Hz	108
No. of excursions below 50.00 Hz	93

Average time freq remains below 49.97 per excursion	0:04:35	Average time frequency remains above 50.03 per excursion	0:02:49
---	---------	--	---------