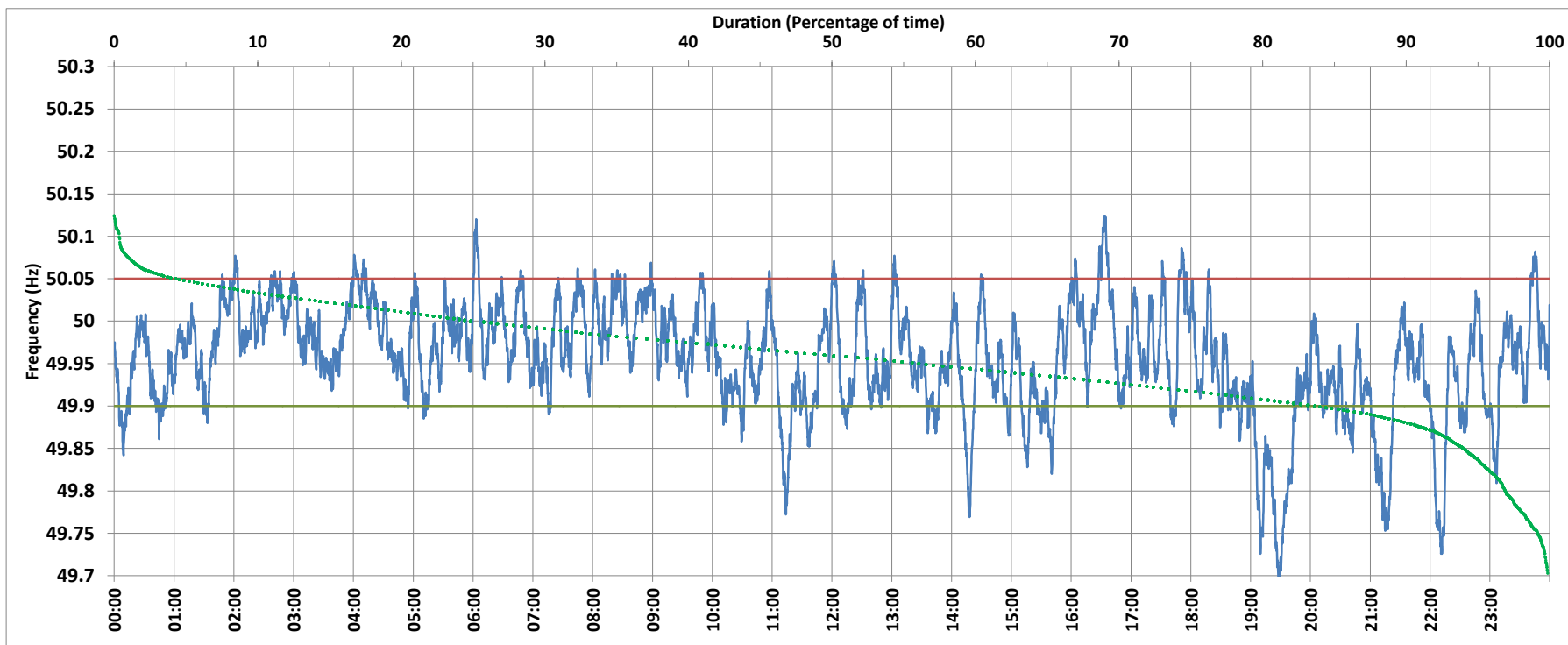


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 14/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
0.13	16.02	56.35	2.94	12.95	58.25	25.38	0.35	79.70	99.87	32.27	4.20	24.83	11.38	4.28	0.00

Average Frequency :	49.955	Frequency Variation Index :	0.062	Standard Deviation :	0.065
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency	
Max	50.124 16:32:40
Min	49.660 19:28:40

15 minute Average Frequency	
Max	50.051 16:45:00
Min	49.781 19:30:00

No. of excursions above 50.03 Hz	85
No. of excursions below 49.97 Hz	125
No. of excursions above 50.00 Hz	70
No. of excursions below 50.00 Hz	73

Average time freq remains below 49.97 per excursion	0:06:30	Average time frequency remains above 50.03 per excursion	0:01:56
---	---------	--	---------