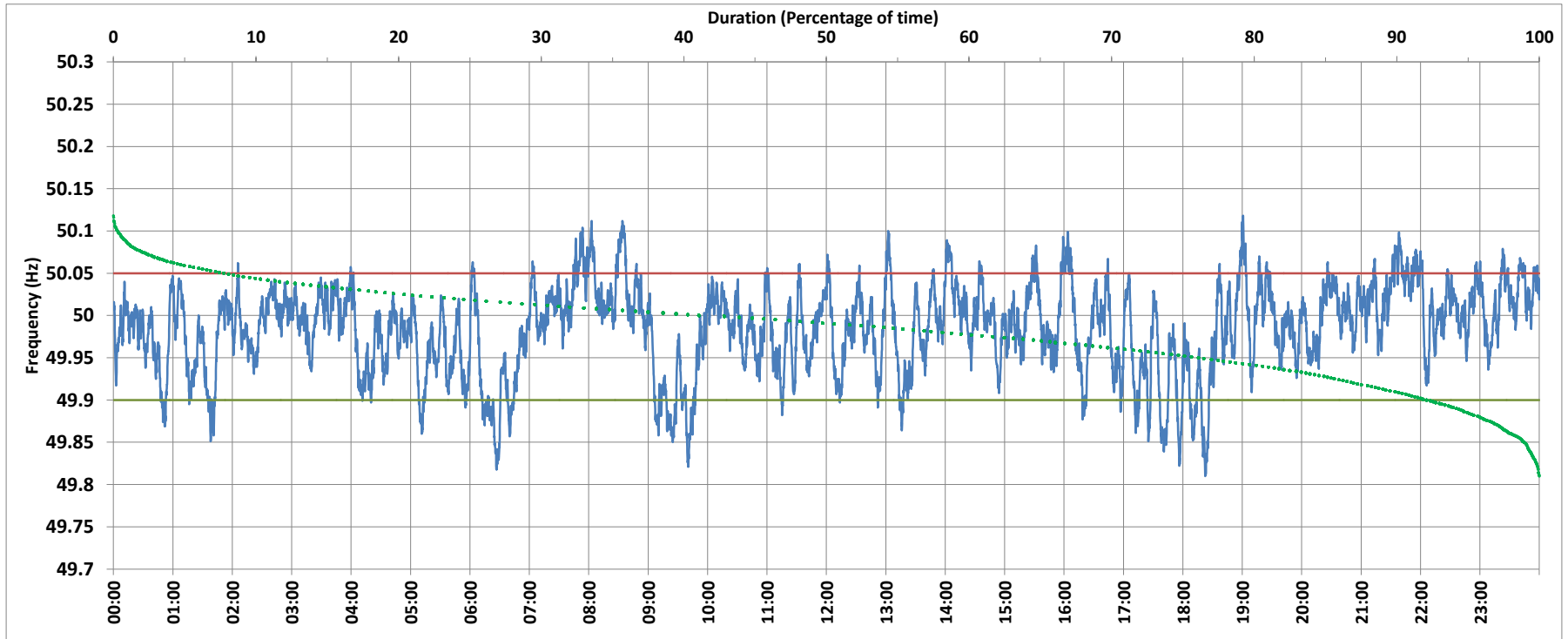


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 22/Sep/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	7.66	34.34	0.00	7.66	49.53	42.50	0.31	84.61	100.00	48.43	7.77	41.04	17.23	7.73	0.00

Average Frequency :	49.984	Frequency Variation Index :	0.030	Standard Deviation :	0.052
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.118	19:00:50
Min	49.810	18:22:30

15 minute Average Frequency		
Max	50.062	8:00:00
Min	49.869	6:30:00

No. of excursions above 50.03 Hz	123
No. of excursions below 49.97 Hz	128
No. of excursions above 50.00 Hz	150
No. of excursions below 50.00 Hz	156

Average time freq remains below 49.97 per excursion	0:03:52	Average time frequency remains above 50.03 per excursion	0:02:01
---	---------	--	---------