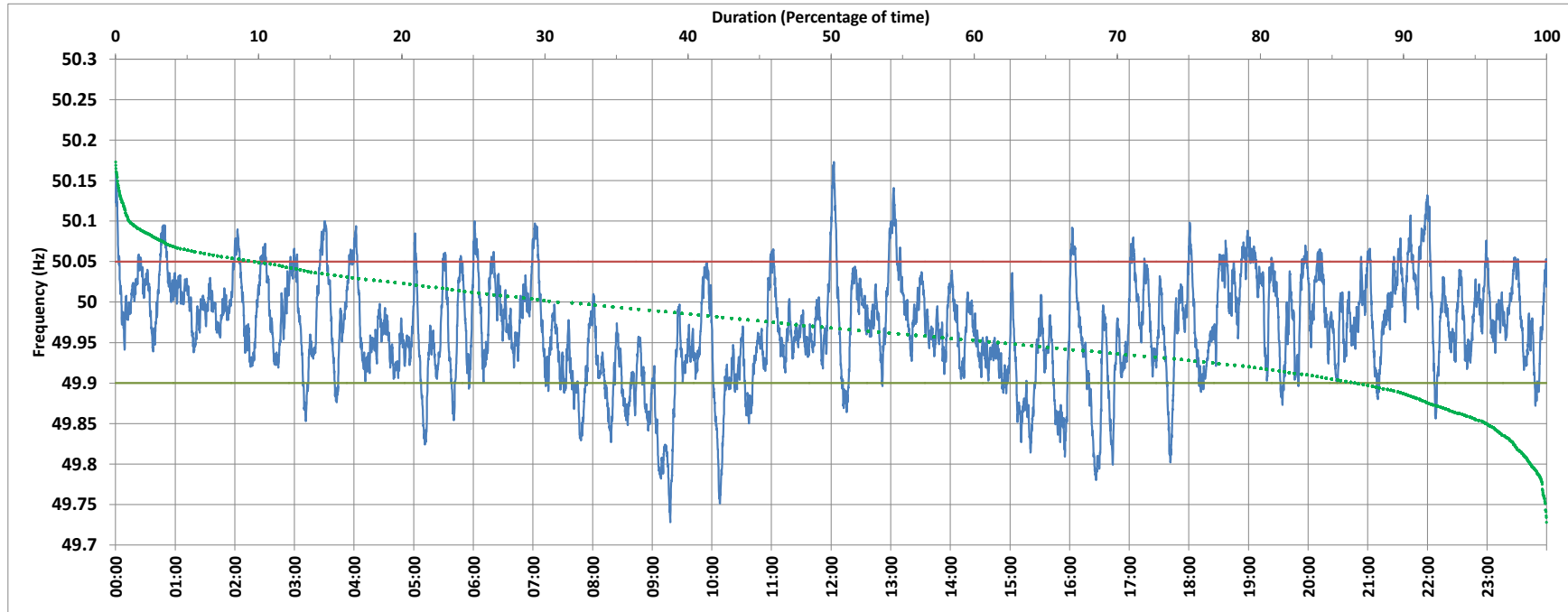


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 25-Dec-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	13.15	50.66	1.08	12.07	54.95	30.88	1.02	77.14	100.00	32.79	9.07	30.89	16.55	9.71	0.00

Average Frequency :	49.968	Frequency Variation Index :	0.051	Standard Deviation :	0.064
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.173	12:02:40
Min	49.728	9:18:00

15 minute Average Frequency		
Max	50.061	22:00:00
Min	49.831	9:15:00

No. of excursions above 50.03 Hz	97
No. of excursions below 49.97 Hz	118
No. of excursions above 50.00 Hz	91
No. of excursions below 50.00 Hz	82

Average time freq remains below 49.97 per excursion	0:06:11	Average time frequency remains above 50.03 per excursion	0:02:27
---	---------	--	---------