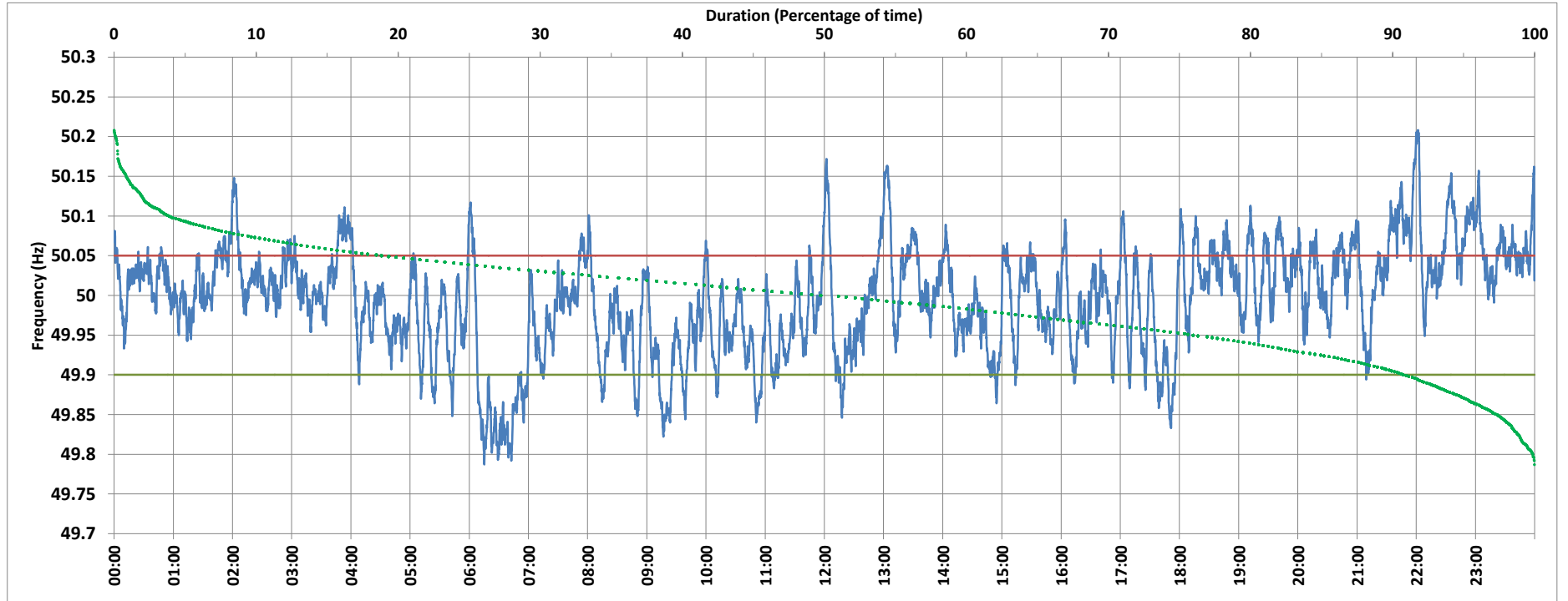


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 1/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	9.03	33.16	0.09	8.94	39.99	46.99	3.88	72.15	99.88	36.46	15.49	49.75	30.38	18.82	0.12

Average Frequency :	49.994	Frequency Variation Index :	0.045	Standard Deviation :	0.067
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.208	22:01:50
Min	49.787	6:15:10

15 minute Average Frequency		
Max	50.106	22:00:00
Min	49.825	6:45:00

No. of excursions above 50.03 Hz	136
No. of excursions below 49.97 Hz	97
No. of excursions above 50.00 Hz	115
No. of excursions below 50.00 Hz	116

Average time freq remains below 49.97 per excursion	0:04:55	Average time frequency remains above 50.03 per excursion	0:03:13
---	---------	--	---------