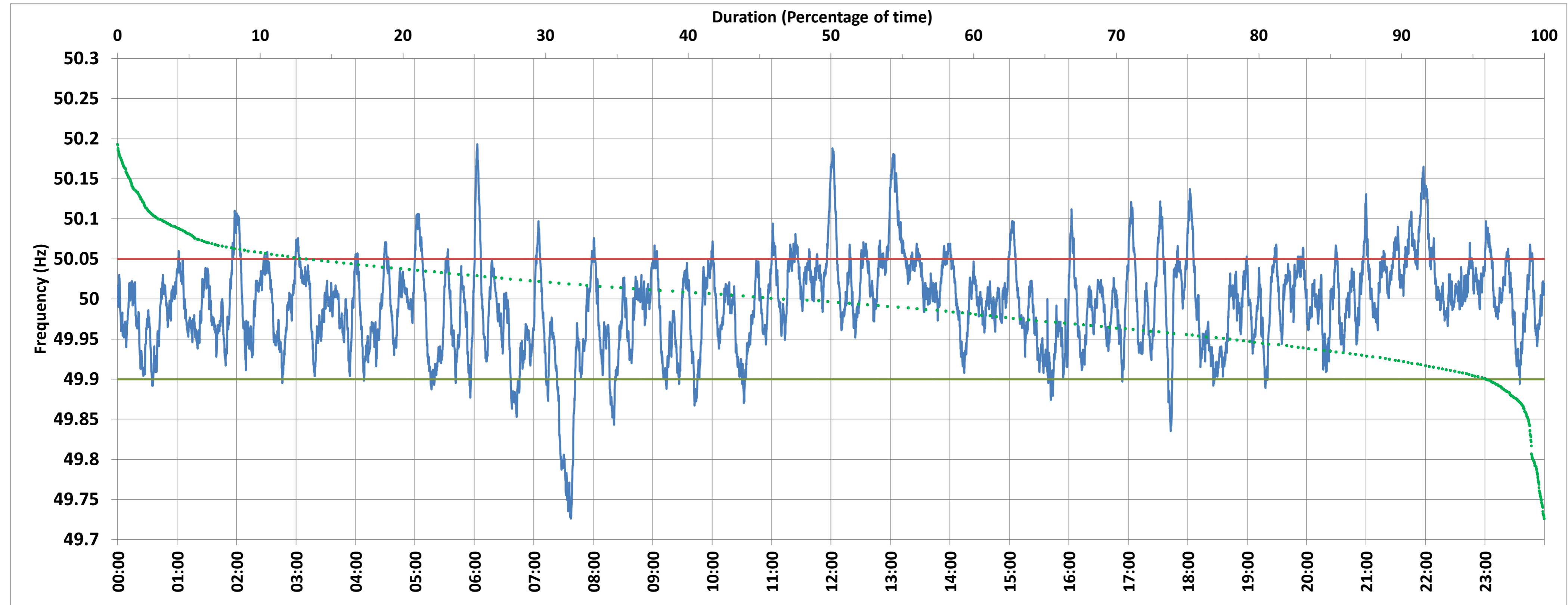


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



BAWANA:Frequency

National Grid Frequency Profile for 18-Jan-2018



<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	3.94	32.89	0.76	3.17	47.74	45.31	3.01	82.85	100.00	42.56	10.90	46.67	24.55	13.22	0.00

Average Frequency :	49.993	Frequency Variation Index :	0.034	Standard Deviation :	0.058	Positive Mileage(Above>50)	161.87
						Negative Mileage(Below<50)	221.99

Instantaneous Frequency		
Max	50.193	6:02:50
Min	49.726	7:37:30

15 minute Average Frequency		
Max	50.113	13:15:00
Min	49.816	7:45:00

No. of excursions above 50.03 Hz	107
No. of excursions below 49.97 Hz	113
No. of excursions above 50.00 Hz	122
No. of excursions below 50.00 Hz	109

Average time freq remains below 49.97 per excursion	0:04:12	Average time frequency remains above 50.03 per excursion	0:03:18
--	----------------	---	----------------