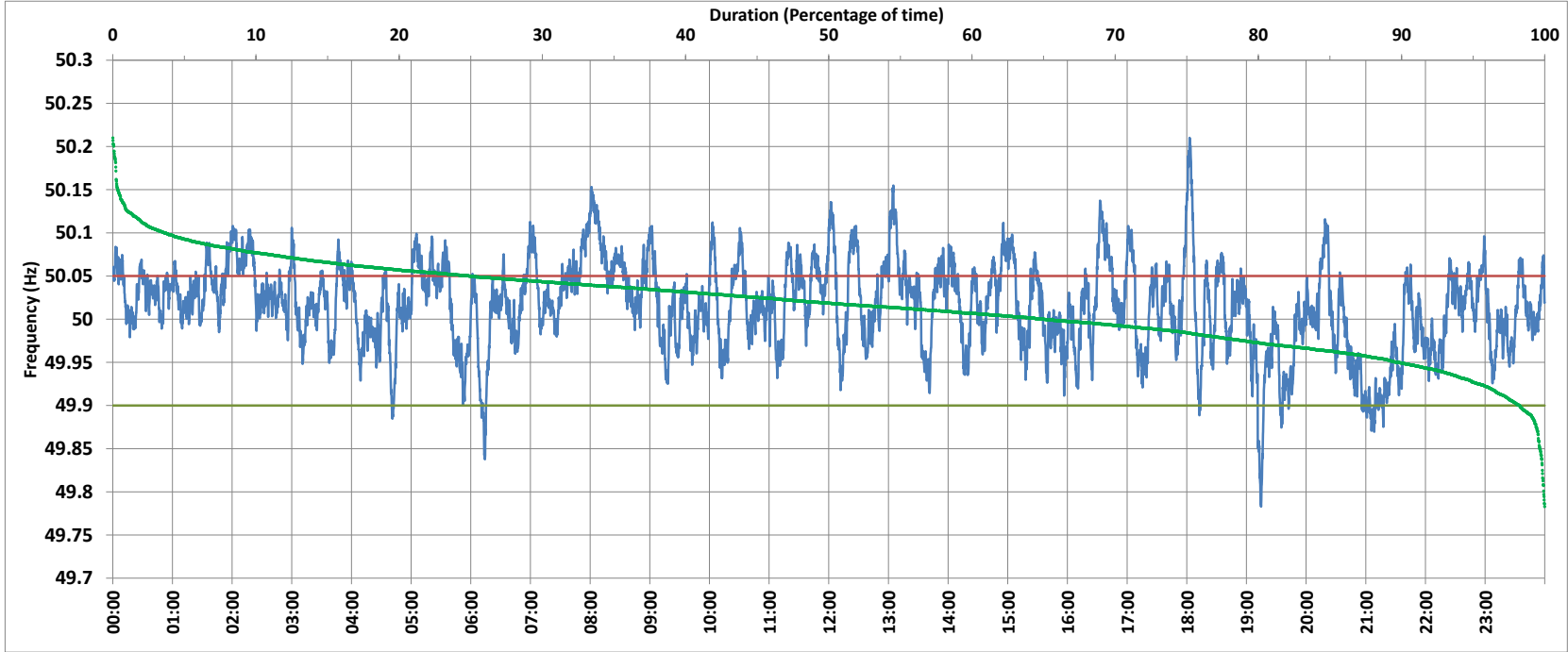


POWER SYSTEM OPERATION CORPORATION LIMITED  
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



MPPTCL BINA:Frequency

National Grid Frequency Profile for 24-Jul-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	1.76	18.67	0.07	1.69	33.25	61.35	3.55	73.33	99.92	40.19	21.37	64.95	41.15	24.91	0.08

Average Frequency :	50.016	Frequency Variation Index :	0.029	Standard Deviation :	0.051
---------------------	--------	-----------------------------	-------	----------------------	-------

Instantaneous Frequency		
Max	50.210	18:02:50
Min	49.783	19:14:40

15 minute Average Frequency		
Max	50.111	8:15:00
Min	49.899	21:15:00

No. of excursions above 50.03 Hz	188
No. of excursions below 49.97 Hz	119
No. of excursions above 50.00 Hz	180
No. of excursions below 50.00 Hz	178

Average time freq remains below 49.97 per excursion	0:02:16	Average time frequency remains above 50.03 per excursion	0:03:09
---	---------	--	---------