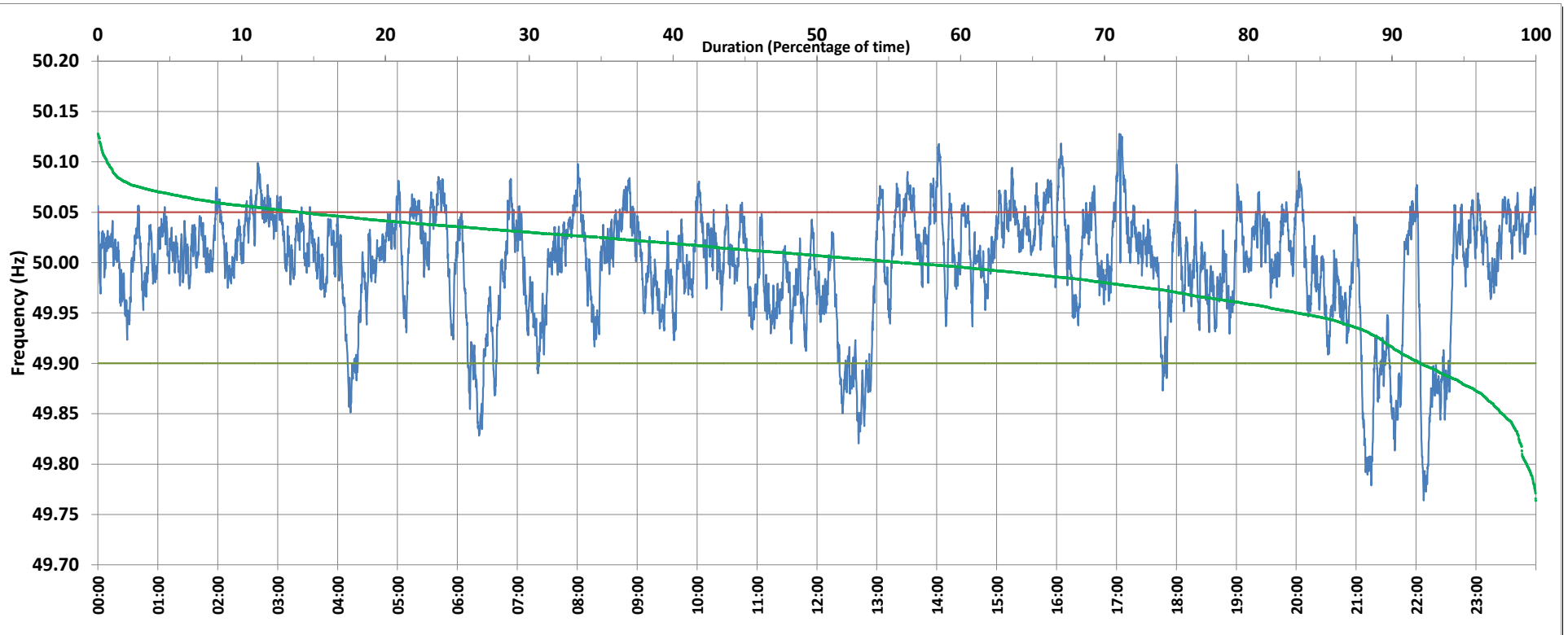


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 10-Sep-2019 (Tuesday)



<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	<49.95	49.95-50.05	49.90-49.95
0.00	8.01	24.78	0.64	7.37	35.89	55.47	0.63	77.91	100.00	45.10	13.55	55.88	30.12	14.09	0.00	16.50	69.41	8.50

Average Frequency : 49.997	Frequency Variation Index : 0.0321	Standard Deviation : 0.0566	Mileage: 45.0	FDI: 22.1
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.128	17:03:00
Min	49.764	22:07:40

15 minute Average Frequency		
Max	50.069	17:15:00
Min	49.866	22:15:00

No. of excursions	
above 50.03 Hz	189
below 49.97 Hz	99
above 50.00 Hz	193
below 50.00 Hz	192

Average time freq per excursion remains	
below 49.97	0:03:36
above 50.03	0:02:18

No. of hours freq outside 49.9-50.05 Hz	5:18:10
---	---------

Source : NTPC-VINDHYACHAL:Frequency 10 Sec. (8640 samples)