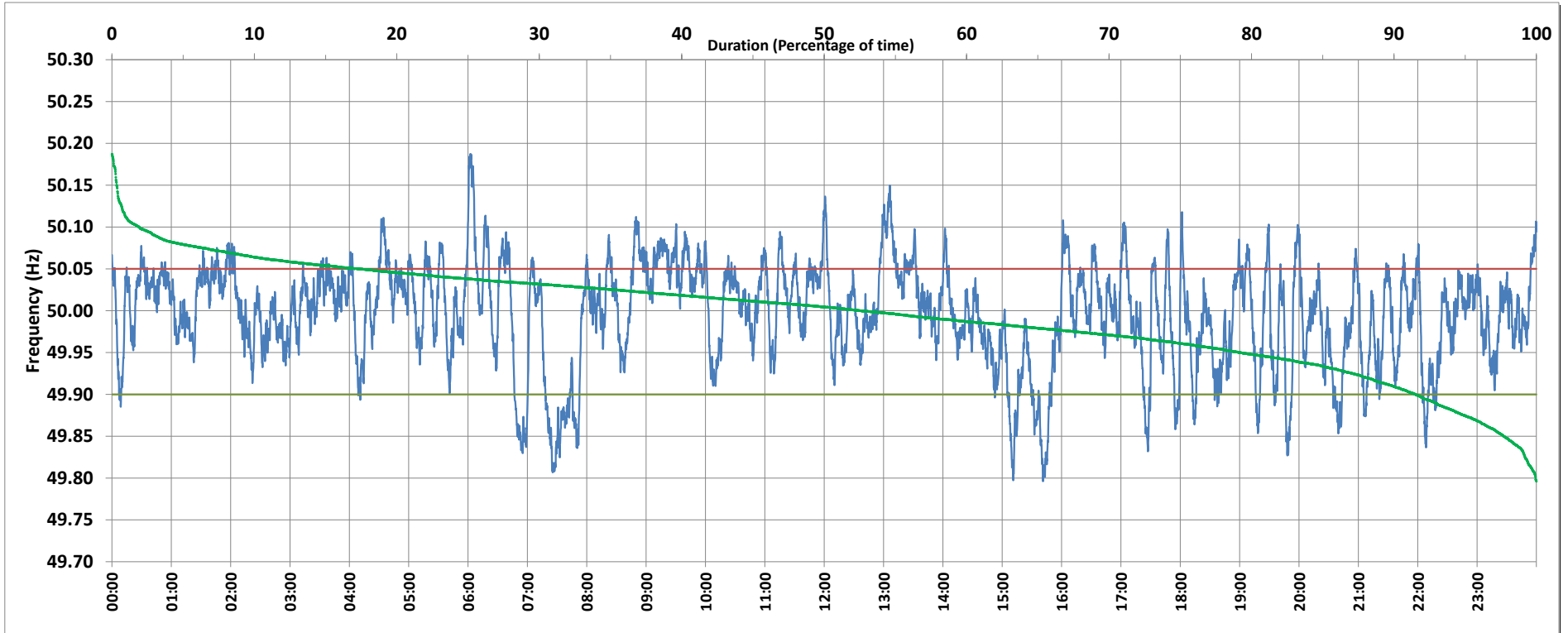


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 17-Jan-2019 (Thursday)



<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	8.47	29.41	0.06	8.41	38.92	50.68	1.92	74.16	100.00	39.19	15.51	52.57	31.40	17.37	0.00	20.79	61.84	12.31

Average Frequency : 49.995	Frequency Variation Index : 0.0376	Standard Deviation : 0.0612	Mileage: 49.2	FDI: 25.8
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.187	6:02:10
Min	49.796	15:41:10

15 minute Average Frequency		
Max	50.093	13:15:00
Min	49.855	15:45:00

No. of excursions	
above 50.03 Hz	180
below 49.97 Hz	140
above 50.00 Hz	154
below 50.00 Hz	154

Average time freq per excursion remains	
below 49.97	0:03:02
above 50.03	0:02:31

No. of hours freq outside 49.9-50.05 Hz	6:12:10
---	---------

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