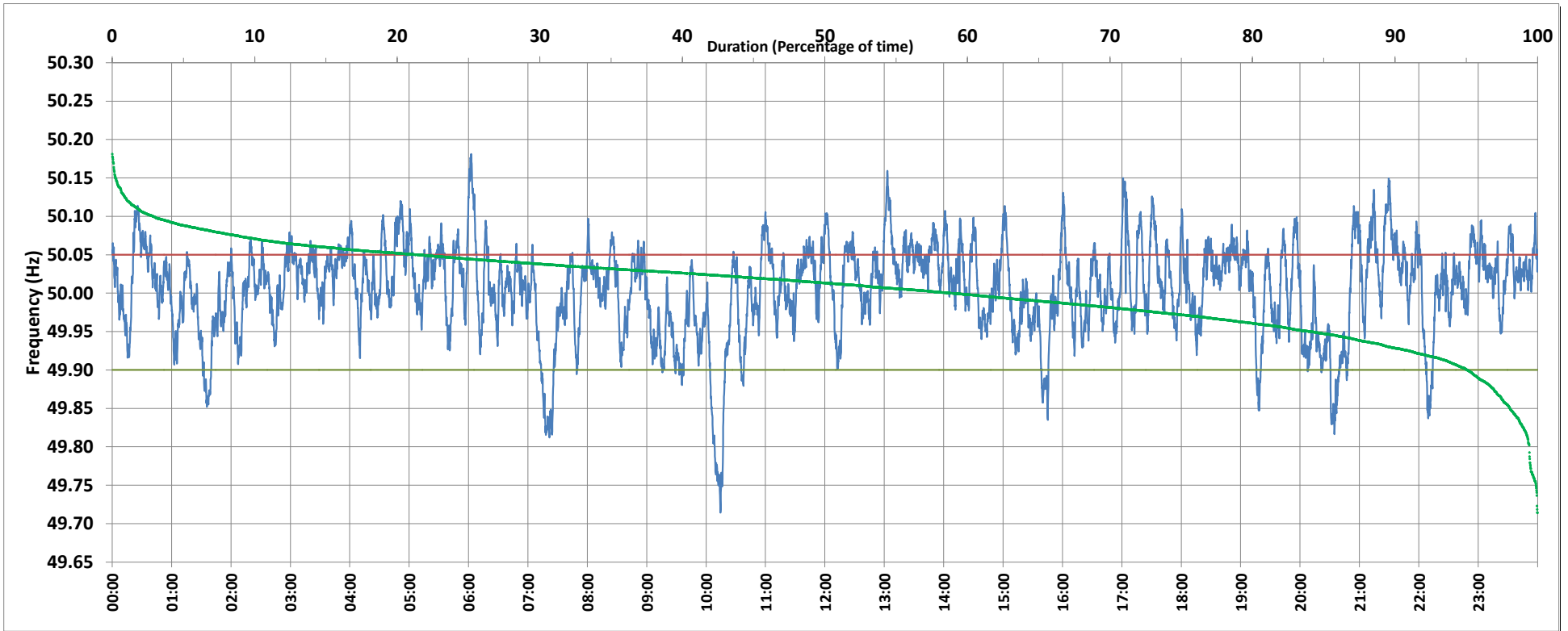


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 18-Dec-2019 (Wednesday)



<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	4.93	23.97	0.58	4.35	36.10	56.08	2.89	73.53	100.00	39.41	18.73	58.78	36.62	21.54	0.00	15.81	62.65	10.88

Average Frequency : 50.005	Frequency Variation Index : 0.0357	Standard Deviation : 0.0595	Mileage: 52.4	FDI: 26.5
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.181	6:02:30
Min	49.714	10:14:30

15 minute Average Frequency		
Max	50.077	5:00:00
Min	49.838	10:15:00

No. of excursions	
above 50.03 Hz	213
below 49.97 Hz	126
above 50.00 Hz	152
below 50.00 Hz	150

Average time freq per excursion remains	
below 49.97	0:02:44
above 50.03	0:02:29

No. of hours freq outside 49.9-50.05 Hz	6:21:10
---	---------

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